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Copper Cables

通信電纜類 Telecommunication Cables
高頻同軸電纜類 Coaxial Cables
電力電纜類 Power Cables

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TAI TUNG COMMUNICATION

彩色聚乙烯絕緣充膠積層被覆市內電纜 (CCP-JF-LAP)

本電纜係彩色聚乙烯 (PE) 絕緣充膠積層被覆之簇型市內電纜，用作市內電話地下線路，簡稱為 CCP-JF-LAP 市內電纜，其特點為：防水性佳、氣密性優、抗蝕性、絕緣良好，增加電纜之安全性及壽命。

POLYETHYLENE INSULATED JELLY FILLED MOISTURE BARRIER SHEATHED TELEPHONE CABLES

This cable is designed for using in subscribers distribution. It features excellent blocking performance for water penetrated and can be installed aerially or underground in duct.

構造概要 Cable Structure

- 導體 **Conductor**[1] → 軟銅單線，0.4、0.5、0.65、0.9mm。
- 絕緣 **Insulation**[2] → 彩色聚乙烯。
- 星絞 **Quadding**[3] → 四條芯線絞合而成。
- 集合 **Assembly**[4]
  ① 200 對以下：五個星絞均勻絞合成 10 對簇，每簇以著色塑膠帶疏捲，各簇再集合成電纜芯，同層之簇須以同方向同時間交互反轉 (SZ) 集合，或同一左向集合。
  ② 300 對以上：10 對簇五個集合成 50 對簇，同層之 10 對簇須以同方向同時間交互反轉 (SZ) 集合或同一左向集合，每 50 對簇以著色塑膠帶疏捲，各簇再集合成電纜芯。
- 包捲帶 **Core Wrapping**[5] → 自然色聚酯帶。
- 充膠 **Jelly-filled**[6] → 防水混合物。
- 積層被覆 **Sheath**[7] → 於包捲帶上縱包積層鋁帶，外用黑色聚乙烯緊密被覆形成積層被覆 (簡稱 LAP) 電纜。

1 **Conductor :** Solid annealed copper wire in size 0.4mm to 0.9mm.
2 **Insulation :** High Density Polyethylene.
3 **Quadding :** Four insulated conductors are twisted into a star quad.
4 **Cable Formation :**
① 200 pairs and less: Five quads shall be stranded into a 10 pair unit, and binding with color tape. The units are stranded into a compact and circular cable core according to specification.
② 300 pairs and more: Five 10 pair unit shall be stranded into a 50 pair super-unit, and binding with color tape. The super-units are stranded into a compact and circular cable core according to specification.
5 **Core Wrapping :** A Non-hygroscopic tape.
6 **Filling Compound :** Water resistant filling compound.
7 **LAP Sheath :** The copolymer coated aluminum screen is longitudinally folded around the cable core and sealed at the overlap during extrusion of polyethylene outer sheath.

通信電纜類 Telecommunication Cables

彩色聚乙烯絕緣充膠積層被覆市內電纜 (CCP-JF-LAP)

電氣性能表 Electrical Characteristics at 20℃

項目 \ 線徑 (mm) Item\Conductor Diameter		0.4	0.5	0.65	0.9
導體電阻 (Ω/km) Conductor Resistance	標準值 normal value	139.0	88.7	52.5	27.4
	最大值 max value	147.5	93.5	56.5	29.0
最小絕緣電阻 (MΩ/km) Min.Insulation Resistance		5000			
靜電容量 (1KHz) nF/Km Mutual Capacitance	平均值 average value	65			
電容不平衡 (1KHz) nF/Km Capacitance Unbalance	平均值 average value	1000 以下			
	最大值 max value	800			
耐電壓 (V/min) Dielectric Strength	導體 - 大地間 conductor-earth	DC 500 / 1 or AC 350 / 1			
	鋁帶 - 大地間 aluminum-earth	AC 2000 or DC 3000 (浸水一小時)			

電纜尺寸 Cable Dimensions

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Sheath Thickness 被覆厚度 (mm)	Overall Diameter 外徑 (mm)	Approx Weight 概算重量 (Kg/M)	Standard Length 標準長度 (M)
0.4	10	0.13	1.7	10	95	500
0.4	20	0.13	1.7	11	120	500
0.4	30	0.13	1.7	12	155	500
0.4	50	0.13	1.7	14	230	500
0.4	100	0.13	1.7	17	390	500
0.4	200	0.13	1.7	23	705	500
0.4	300	0.13	1.9	28	1045	500
0.4	400	0.13	2.0	32	1375	500
0.4	600	0.13	2.1	37	1990	500
0.5	10	0.15	1.7	10	100	500
0.5	20	0.15	1.7	12	160	500
0.5	30	0.15	1.7	14	210	500
0.5	50	0.15	1.7	16	315	500
0.5	100	0.15	1.7	21	515	500
0.5	200	0.15	1.8	27	1025	500
0.5	300	0.15	2.0	33	1545	500
0.5	400	0.15	2.1	37	2020	500
0.5	600	0.15	2.3	45	2975	500
0.65	10	0.20	1.7	12	150	500
0.65	20	0.20	1.7	15	240	500
0.65	30	0.20	1.7	17	340	500
0.65	50	0.20	1.7	20.5	510	500
0.65	100	0.20	1.8	27	930	500
0.65	200	0.20	2.0	36	1740	500
0.65	300	0.20	2.2	41	2600	345
0.65	400	0.20	2.3	50	3350	345
0.65	600	0.20	2.6	56	4950	345
0.9	10	0.27	1.7	15	240	500
0.9	20	0.27	1.7	18	390	500
0.9	30	0.27	1.7	22.5	580	500
0.9	50	0.27	1.8	27	900	500
0.9	100	0.27	2.0	36	1670	500

彩色聚乙烯絕緣積層被覆市內電纜 (CCP-LAP)

本電纜係用於電話市內配線線路或幹線線路，利用絕緣顏色，來識別線對排列次序，故稱為全色碼電纜 (Color Code Cable)，並在電纜芯外縱包積層鋁帶，利用受熱成型與最外層黑色聚乙烯緊密黏著，而成積層被覆電纜，簡稱 LAP(Laminate Aluminum Polyethylene) 電纜，此外架空電纜是平行加一條鍍鋅鋼絞線；與電纜外被同時押出而成為自持型電纜，簡稱 S-S(Self-supporting) 電纜或 8 字型電纜，其遮蔽效果，耐濕、耐候、耐磨以及彎曲等特性均佳。

POLYETHYLENE INSULATED MOISTURE BARRIER SHEATHED TELEPHONE CABLES

This high quality insulated cable is for using in subscribers distribution, featuring small unit to facilitate splicing preparation. It can be supplied with self-supporting messenger wire or with coverings necessary to make it suitable for aerial, underground duct.

構造概要 Cable Structure

- 導體 **Conductor**[1] → 軟銅單線，0.4、0.5、0.65、0.9mm。
- 絕緣 **Insulation**[2] → 彩色 PE 絕緣。
- 星絞 **Quadding**[3] → 四條芯線絞合而成。
- 集合 **Assembly**[4]
  ① 200 對以下：五個星絞均勻絞合成 10 對簇，每簇以著色塑膠帶疏捲，各簇再集合成電線纜，同層之簇須以同方向同時間交互反轉 (SZ) 集合 。
  ② 300 對以上：10 對簇五個集合成 50 對簇，同層之 10 對簇須以同方向同時間交互反轉 (SZ) 集合，每 50 對簇以著色塑膠帶疏捲，各簇再集合成電纜芯。
- 包捲帶 **Core Wrapping**[5] → 自然色聚酯帶。
- 積層被覆 **Sheath**[6] → 於每包捲帶上縱包積層鋁被覆形成積層被覆 (簡稱 LAP) 電纜。

1 **Conductor :** Solid annealed copper wire in size 0.4mm to 0.9mm.
2 **Insulation :** High Density Polyethylene.
3 **Quadding :** Four insulated conductors are twisted into a star quad.
4 **Cable Formation :**
① 200 pairs and less: Five quads shall be stranded into a 10 pair unit, and binding with color tape. The units are stranded into a compact and circular cable core according to specification.
② 300 pairs and more: Five 10 pair unit shall be stranded into a 50 pair super-unit, and binding with color tape. The super-units are stranded into a compact and circular cable core according to specification.
5 **Core Wrapping :** A Non-hygroscopic tape.
6 **LAP Sheath :** The copolymer coated aluminum screen is longitudinally folded around the cable core and sealed at the overlap during extrusion of polyethylene outer sheath.

通信電纜類 Telecommunication Cables

彩色聚乙烯絕緣積層被覆市內電纜 (CCP-LAP)

電氣性能表 Electrical Characteristics at 20℃

項目 \ 線徑 (mm) Item\Conductor Diameter		0.4	0.5	0.65	0.9
導體電阻 (Ω/km) Conductor Resistance	標準值 normal value	139.0	88.7	52.5	27.4
	最大值 max value	147.5	93.5	56.5	29.0
最小絕緣電阻 (MΩ/km) Min.Insulation Resistance		5000			
靜電容量 (1KHz) nF/Km Mutual Capacitance	50 對 (含) 以上 50pairs and more	平均值 : 55 以下 average value:55(Max)			
	30 對 (含) 以下 30pairs and less	平均值 : 60 以下 average value:60(Max)			
耐電壓 (V/min) Dielectric Strength	導體 - 大地間 conductor-earth	DC 500 / 1 or AC 350 / 1			
電容不平衡 (1KHz) nF/Km Capacitance Unbalance	平均值 average value	1000pf 以下			
	最大值 max value	800pf			

彩色聚乙烯絕緣積層被覆市內電纜 (CCP-LAP)

電纜尺寸 Cable Dimensions

Conductor Diameter	Number of Pairs	Insulation Thickness	Sheath Thickness	Duct Type 管道型		Self-Support Type 自持型			Standard Length 標準長度 (M)	
				Overall Diameter	Estimated Weight	Messenger Wire 鍍鋅鋼絞線	Overall Diameter	Estimated Weight	Duct Type	Self-Support Type
線徑 (mm)	對數 (P)	絕緣厚度 (mm)	被覆厚度 (mm)	完成外徑 (mm)	概算重量 (Kg/Km)	股數 / 線徑 (mm)	完成外徑 約 (mm)	概算重量 (Kg/Km)	管道型	自持型
0.4	10	0.13	1.7	10	95	7/1.8	10x19	255	500	1000
0.4	20	0.13	1.7	11	120	7/1.8	11x20	295	500	1000
0.4	30	0.13	1.7	12	155	7/1.8	12x21	330	500	1000
0.4	50	0.13	1.7	14	230	7/1.8	14x24	405	500	500
0.4	100	0.13	1.7	17	390	7/1.8	17x27	565	500	500
0.4	200	0.13	1.7	23	705	7/2.0	23x33	915	500	500
0.4	300	0.13	1.9	28	1045	---	---	---	500	---
0.4	400	0.13	2.0	32	1375	---	---	---	500	---
0.4	600	0.13	2.1	37	1990	---	---	---	500	---
0.5	10	0.15	1.7	10	100	7/1.8	10x20	275	500	1000
0.5	20	0.15	1.7	12	160	7/1.8	12x22	335	500	1000
0.5	30	0.15	1.7	14	210	7/1.8	14x23	385	500	1000
0.5	50	0.15	1.7	16	315	7/1.8	16x25	490	500	500
0.5	100	0.15	1.7	21	515	7/2.0	21x31	725	500	500
0.5	200	0.15	1.8	27	1025	7/2.3	27x38	1315	500	500
0.5	300	0.15	2.0	33	1545	---	---	---	500	---
0.5	400	0.15	2.1	37	2020	---	---	---	500	---
0.5	600	0.15	2.3	45	2975	---	---	---	500	---
0.65	10	0.20	1.7	12	150	7/1.8	12x22	330	500	1000
0.65	20	0.20	1.7	15	240	7/1.8	15x25	420	500	1000
0.65	30	0.20	1.7	17	340	7/1.8	17x27	520	500	1000
0.65	50	0.20	1.7	20.5	510	7/2.0	20.5x31	720	500	500
0.65	100	0.20	1.8	27	930	7/2.3	27x38.5	1220	500	500
0.65	200	0.20	2.0	36	1740	---	---	---	500	---
0.65	300	0.20	2.2	41	2600	---	---	---	345	---
0.65	400	0.20	2.3	50	3350	---	---	---	345	---
0.65	600	0.20	2.6	56	4950	---	---	---	345	---
0.9	10	0.27	1.7	15	240	7/1.8	15x24	420	500	500
0.9	20	0.27	1.7	18	390	7/1.8	18x28	600	500	500
0.9	30	0.27	1.7	22.5	580	7/2.0	22.5x33	790	500	500
0.9	50	0.27	1.8	27	900	7/2.3	27x38.5	1185	500	500
0.9	100	0.27	2.0	36	1670	---	---	---	500	---

通信電纜類 Telecommunication Cables

發泡、充實聚乙烯雙層絕緣充膠積層被覆市內電纜 (FS-JF-LAP)

本電纜係發泡、充實聚乙烯雙層絕緣充膠型電纜，用作市內電信地下線路，簡稱 FS-JF-LAP 市內電纜，其特點為防水性佳，氣密性優，抗蝕性、絕緣性良好，增加電纜之安全性及壽命。

FOAM-SKIN POLYETHYLENE INSULATED JELLY FILLED MOISTURE BARRIER SHEATHED LOCAL CABLES

This cable is used for junction or subscriber distribution network in local exchange area and usually direct burial or underground (duct) application. The cable is insulated full color coding with an extruded foam-skin insulating high-density polyethylene compound in the air space to water resistant filling compound.

構造概要 Cable Structure

- 導體 **Conductor**[1] → 軟銅單線，0.4、0.5、0.65、0.9mm。
- 絕緣 **Insulation**[2] → 彩色發泡、充實聚乙烯。
- 星絞 **Quadding**[3] → 四條芯線絞合而成。
- 集合 **Assembly**[4]
  ① 200 對以下：五個星絞均勻絞合成 10 對簇，每簇以著色塑膠帶疏捲，各簇再集合成電纜芯，同層之簇須以同方向同時間交互反轉 (SZ) 集合，或同一左向集合。
  ② 300 對以上：10 對簇五個集合成 50 對簇，同層之 10 對簇須以同方向同時間交互反轉 (SZ) 集合或同一左向集合，每 50 對簇以著色塑膠帶疏捲，各簇再集合成電纜芯。
- 包捲帶 **Core Wrapping**[5] → 自然色聚酯帶。
- 充膠 **Jelly-filled**[6] → 防水混合物。
- 積層被覆 **Sheath**[7] → 於包捲帶上縱包積層鋁帶，外用黑色聚乙烯緊密被覆形成積層被覆 (簡稱 LAP) 電纜。

1 **Conductor :** Solid annealed copper wire in size 0.4mm to 0.65mm.
2 **Insulation :** Foam-skin polyethylene.
3 **Quadding :** Four insulated conductors are twisted into a star quad.
4 **Unit:**
① 200 pairs and less: Five quads shall be stranded into a 10 pair unit, and binding with color tape. The units are stranded into a compact and circular cable core according to specification.
② 300 pairs and more: Five 10 pair unit shall be stranded into a 50 pair super-unit, and binding with color tape. The super-units are stranded into a compact and circular cable core according to specification..
5 **Core Wrapping :** A Non-hygroscopic tapes.
6 **Filling Compound :** Water resistant filling compound.
7 **LAP Sheath :** The copolymer coated aluminum screen is longitudinally folded around the cable core and sealed at overlap during extrusion of polyethylene outer sheath .

發泡、充實聚乙烯雙層絕緣充膠積層被覆市內電纜 (FS-JF-LAP)

電氣性能表 Electrical Characteristics at 20℃

項目 \ 線徑 (mm) Item\Conductor Diameter		0.4	0.5	0.65	0.9
導體電阻 (Ω/km) Conductor Resistance	標準值 normal value	139.0	88.7	52.5	27.4
	最大值 max value	147.5	93.5	56.5	29.0
最小絕緣電阻 (MΩ/km) Min.Insulation Resistance		5000			
靜電容量 (1KHz) nF/Km Mutual Capacitance	50 對 (含) 以上 50pairs and more	平均值 : 55 以下 average value:55(Max)			
	30 對 (含) 以下 30pairs and less	平均值 : 60 以下 average value:60(Max)			
耐電壓 (V/min) Dielectric Strength	導體 - 大地間 conductor-earth	DC 500 / 1 or AC 350 / 1			
近端漏話損失 dB Near-End Crosstalk Loss(40KHz)	L ≧ 300m	(a) 每簇之最小值：50dB 以上 每簇之次小值：58.5dB 以上 (b) 所有簇數之最小平均值：62dB 以上 (c) 每盤之總平均值：66dB 以上 Each unit min. Value=50dB Each unit second min. Value=58.5dB All unit min. mean value=62dB Total mean Value of any reel=66dB			
	L<300m	$Nx = No - 10\text{Log}_{10}\frac{1-e^{-4\alpha Lx}}{1-e^{-4\alpha Lo}}$ α ：單位長度衰減量 (Neper/m) Lx：300M Lo：測試之電纜長度 (m) Nx：換算後之近端漏話 (dB) No：測試之近端漏話 (dB) e：2.71828 α : Attenuation in nepers per unit length(Neper/m) Lx : 300M Lo : Value for reference length(m) Nx : Value for new length of near end crosstalk loss(dB) No : Value for reference length of near end crosstalk loss(dB) e : 2.71828			
遠端漏話損失 dB Far-End Crosstalk Loss(40KHz)	L=1000m	(a) m-1.28×S ≧ ：55dB/Km 以上 (b) 個別最小值：38dB/Km 以上 式中 m：平均值 s：標準差 (a) m-1.28xS:55dB/Km (b) Individual min. value:38dB/Km Where m:mean value s:standard deviation			
	L ≠ 1000m	$Fx = Fo - 10\log_{10}\frac{Lx}{Lo}$ Lx = 1000M Lo：測試長度 (m) Fx：為換算值 (dB) Fo：為測試值 (dB) Lx = 1000M Fo : Value for reference length(m) Fx : Value for new length of far end crosstalk loss(dB) Fo : Value for reference length of far end crosstalk loss(dB)			

電纜尺寸 Cable Dimensions

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Insulation Thickness 電纜芯徑 (約)(mm)	Sheath Thickness 被覆厚度 標準厚度 (mm)	Overall Diameter 外徑 (mm)	Approx Weight 概算重量 (Kg/M)	Standard Length 標準長度 (M)
0.4	10	0.13	5.5	1.7	9	0.09	500
0.4	20	0.13	7	1.7	11	0.13	500
0.4	30	0.13	8.5	1.7	12	0.18	500
0.4	50	0.13	10	1.7	14	0.25	500
0.4	100	0.13	14	1.7	18	0.44	500
0.4	200	0.13	20	1.7	24	0.80	500
0.4	300	0.13	24	1.9	28	1.15	500
0.4	400	0.13	28	2	33	1.60	500
0.4	600	0.13	33	2.2	39	2.27	500
0.5	10	0.15	6.5	1.7	10	0.11	500
0.5	20	0.15	8	1.7	12	0.18	500
0.5	30	0.15	10	1.7	14	0.24	500
0.5	50	0.15	12	1.7	16	0.35	500
0.5	100	0.15	17	1.7	21	0.63	500
0.5	200	0.15	23	1.8	27	1.16	500
0.5	300	0.15	29	2	34	1.67	500
0.5	400	0.15	33	2.2	39	2.30	500
0.5	600	0.15	39	2.3	45	3.20	500
0.65	10	0.20	8	1.7	12	0.16	500
0.65	20	0.20	11	1.7	15	0.28	500
0.65	30	0.20	13	1.7	17	0.36	500
0.65	50	0.20	16	1.7	20	0.54	500
0.65	100	0.20	23	1.8	27	1.00	500
0.65	200	0.20	31	2	36	1.85	500
0.65	300	0.20	37	2.2	42	2.76	500
0.65	400	0.20	42	2.3	48	3.80	500
0.65	600	0.20	51	2.6	57	5.40	500
0.9	10	0.30	11	1.8	14	0.28	500
0.9	20	0.30	13.5	1.8	18	0.46	500
0.9	30	0.30	16	1.8	20	0.58	500
0.9	50	0.30	22	1.9	25	0.98	500
0.9	100	0.30	30	2.1	34	1.73	500

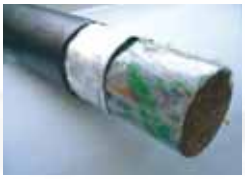
通信電纜類 Telecommunication Cables

發泡、充實聚乙烯雙層絕緣充膠積層被覆對絞市內電纜 (CP-FS-FF-LAP)

本電纜為發泡、充實聚乙烯雙層絕緣充膠積層被覆對絞市內電纜，簡稱為 CP-FS-FF-LAP 市內電纜其特點為：防水性佳，氣密性優，抗蝕性、絕緣性良好，增加電纜之安全性及壽命。

FULLY FILLED POLYETHYLENE UNIT TWIN CABLE WITH MOISTURE BARRIER SHEATH

This high quality insulated cable used subscribers distribution. Featuring: The cable is insulated full color coding with an extruded foam-skin insulating high-density polyethylene compound in the air space to water resistant filling compound.



構造概要 Cable Structure

- 導體 Conductor[1] → 軟銅單線，0.4、0.5、0.63mm。
- 絕緣 Insulation[2] → 彩色聚乙烯。
- 對絞 Twinning[3] → 二條芯線絞合而成。
- 簇之構成 Unit[4] → 5 對絞，10 對絞，25 對絞，50 對絞，100 對絞。

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1 **Conductor :** Solid annealed copper wire size 0.4, 0.5, 0.63mm.

2 **Insulation :** Foam-skin Polyethylene

3 **Twinning :** Two insulated conductor are twisted into a pair.

4 **Cable Formation :**

Twisted pairs are assembled to form a substantially cylindrical group of 25 pairs (called unit). When desired for lay-up reasons, the units are divided into two or more sub-units.

If the cable size up to 50 pairs and including 50 pairs,

Cable will consist of 10 pairs stranded together to form a compact bunch, which can be further divided into two sub-units of 5 pairs.

If the cable size of 100 pairs and above

Single Units (25 pairs)

A single unit will consist of 25 pairs stranded together to form a compact bunch.

Double Units (50 pairs)

Two single units of 25 pairs will be stranded together to form a double unit.

Quadruple Units (100 pairs)

Four single units of 25 pairs will be stranded together to form a quadruple unit.

Spare Pair Unit

A spare pair unit will be incorporated in 300 pairs and larger pair cables. The spare pair unit will be laid up in an outer interstice of the cable.

– Unit identification tape
– Filling compound
– Core wrapping
– Cable identification tape
– Moisture barrier
– Ripcord
– Sheath: extruded black polyethylene.
– Flame retardant sheath

發泡、充實聚乙烯雙層絕緣充膠積層被覆對絞市內電纜 (CP-FS-FF-LAP)

電氣性能表 Electrical Characteristics at 20℃

線徑	Conductor Diameter	(mm)		0.4	0.5	0.63
導體電阻	Conductor Resistance					
最大值	Maximum Average Value	(Ω/km)		143	91	58
Maximum individual value for 99% of cases		(Ω/km)		150	96	60
絕緣電阻	Insulation Resistance	MΩ/km.		Min 1,500 500V d.c/1min.		
火花測試	Spark test of sheath	KV		6		
耐電壓	Dielectric Strength					
導體對導體	Conductor / Conductor	(V/sec.)		A.C. 360/2(R.M.S); D.C. 550/1		
導體對地	Conductor / Ground	(V/sec.)		A.C. 1000/2(R.M.S); D.C. 1500/1		
靜電容量	Average Mutual Capacitance (at 1kHz)					
Maximum Average value		nF/km		56		
Maximum individual value for 99% of cases		nF/km		64		
電容不平衡	Capacitance Unbalance (at 1kHz)					
Max. individual value for adjacent pairs		pF/500m		275		
衰減值	Attenuation Nominal.(dB/km)	40kHz		8.5	5.9	4.1
		120kHz		11.3	7.7	5.5
		150kHz		11.8	7.9	5.9
		772kHz		21.3	18.4	13.1
Crosstalk Loss						
遠端漏話損失	Far-End Crosstalk Loss(at 150kHz)	RMS		Min.67.8 dB/km		
		Any Pair Combination		Min.57.8 dB/km		
近端漏話損失	Near-End Crosstalk Loss (at 772kHz)	Unit Pair Size		M-S dB		
		Within Unit	13 or less	Min.56		
			25	Min.60		
		Between Unit	Adjacent 13 or less	Min.65		
			Adjacent 25	Min.66		
			Non-Adjacent	Min.81		

電纜尺寸 Cable Dimensions

Conductor Diameter	No. of Pairs	Cable Core Dia	LAP SHEATH			
			Sheath Thickness	External Diameter Approx	Shipping Length	Cable Weight
導體 (mm)	對數	纜芯 (mm)	外被 (mm)	直徑 (mm)	長度 (m)	重量 (Kg/km)
0.4	600	36	2.2	40.6	1000	2465
0.4	2400	71	2.7	76.8	350	9305
0.5	5	5	1.7	8.7	2000	84
0.5	10	6.6	1.7	10.3	2000	122
0.5	20	8.4	1.7	12.1	2000	186
0.5	50	13	1.7	16.6	2000	377
0.5	100	18	1.8	21.9	2000	686
0.5	200	25	2.0	29.4	2000	1292
0.5	300	31	2.2	35.3	1000	1893
0.5	400	35.5	2.2	40.0	1000	2483
0.5	600	43	2.4	49.0	1000	3619
0.5	800	50	2.5	56.0	700	4825
0.5	1200	61.5	2.7	67.2	500	7162
0.5	1600	71	2.7	76.6	350	9431
0.63	20	11	1.7	14.4	1000	270
0.63	50	17	1.7	20.3	1000	572
0.63	100	23.5	2.0	27.5	1000	1073

通信電纜類 Telecommunication Cables

發泡、充實聚乙烯雙層絕緣充氣積層被覆對絞市內電纜 (CP-FS-HUT-LAP)

本電纜為發泡、充實聚乙烯雙層絕緣充氣積層被覆對絞市內電纜，簡稱為 CP-FS-HUT-LAP 市內電纜。

POLYETHYLENE UNIT TWIN CABLE WITH MOISTURE BARRIER SHEATH

This high quality insulated cable used subscribers distribution. Featuring: The cable is insulated full color coding with an extruded foam-skin insulating high-density polyethylene compound in the air space to water resistant filling compound.

構造概要 Cable Structure

- 導體 Conductor[1] → 軟銅單線，0.4, 0.5, 0.63mm。
- 絕緣 Insulation[2] → 彩色聚乙烯。
- 對絞 Twinning[3] → 二條芯線絞合而成。
- 簇之構成 Unit[4] → 5 對絞，10 對絞，25 對絞，50 對絞，100 對絞。

1 **Conductor :** Solid annealed copper wire size 0.4, 0.5, 0.63mm.

2 **Insulation :** Foam-skin Polyethylene

3 **Twinning :** Two insulated conductor are twisted into a pair.

4 **Cable Formation :**

Twisted pairs are assembled to form a substantially cylindrical group of 25 pairs (called unit).

Single Units (25 pairs)

A single unit will consist of 25 pairs stranded together to form a compact bunch.

Double Units (50 pairs)

Two single units of 25 pairs will be stranded together to form a double unit.

Quadruple Units (100 pairs)

Four single units of 25 pairs will be stranded together to form a quadruple unit.

Spare Pair Unit

A spare pair unit will be incorporated in 300 pairs and larger pair cables. The spare pair unit will be laid up in an outer interstice of the cable.

– Unit identification tape
– Core wrapping
– Cable identification tape
– Moisture barrier
– Ripcord
– Sheath: extruded black polyethylene.
– Flame retardant sheath

發泡、充實聚乙烯雙層絕緣充氣積層被覆對絞市內電纜 (CP-FS-HUT-LAP)

電氣性能表 Electrical Characteristics at 20℃

線徑	Conductor Diameter	(mm)		0.4	0.5	0.63
導體電阻	Conductor Resistance					
最大值	Maximum Average Value	(Ω/km)		143	91	58
Maximum individual value for 99% of cases		(Ω/km)		150	96	60
絕緣電阻	Insulation Resistance	MΩ/km.		Min 6,500 500V d.c/1min.		
火花測試	Spark test of sheath	KV		6		
耐電壓	Dielectric Strength					
導體對導體	Conductor / Conductor	(V/sec.)		A.C. 360/2(R.M.S) : D.C.50/1		
導體對地	Conductor / Ground	(V/sec.)		A.C. 1000/2(R.M.S) : D.C.1500/1		
靜電容量	Average Mutual Capacitance (at 1kHz)					
Maximum Average Value		nF/km		53	53	56
Maximum individual value for 99% of cases		nF/km		60	60	60
電容不平衡	Capacitance Unbalance (at 1kHz)					
Max. individual value for adjacent pairs		pF/500m		275		
衰減值	Attenuation Nominal.(dB/km)	40kHz		8.5	5.9	4.1
		120kHz		11.3	7.7	5.5
		150kHz		11.8	7.9	5.9
		772kHz		21.3	18.4	13.1
Crosstalk Loss						
遠端漏話損失	Far-End Crosstalk Loss (at 150kHz)	RMS		Min.67.8 dB/km		
		Any pair combination		Min.57.8 dB/km		
近端漏話損失	Near-End Crosstalk Loss (at 772kHz)	Unit Pair Size		M-S dB		
		Within Unit	13 or less	Min.56		
			25	Min.60		
		Between Unit	Adjacent 13 or less	Min.65		
			Adjacent 25	Min.66		
			Non-Adjacent	Min.81		

電纜尺寸 Cable Dimensions

Conductor Diameter	No. of Pairs	Cable Core Dia	LAP SHEATH			
			Sheath Thickness	External Diameter Approx	Shipping Length	Cable Weight
導體 (mm)	對數	纜芯 (mm)	外被 (mm)	直徑 (mm)	長度 (m)	重量 (Kg/km)
0.4	1200	45.3	2.2	50.0	900	3657
0.4	1600	52.6	2.2	57.3	600	4809
0.4	2000	58.7	2.4	63.8	500	5974
0.4	2400	64.3	2.4	69.3	450	7112
0.4	3000	71.8	2.7	77.4	350	8875
0.5	200	22.4	1.8	29.0	1000	1004
0.5	400	31.5	2.0	39.0	1000	1949
0.5	600	39.3	2.2	43.9	1000	2859
0.5	800	45.3	2.2	52.0	600	3766
0.5	1000	50.5	2.4	58.0	600	4641
0.5	1200	55.2	2.4	60.3	500	5515
0.5	2000	72.2	2.7	77.9	350	9500
0.63	200	28.0	2.0	34	1000	1535
0.63	400	39.3	2.2	44.0	800	2967
0.63	600	48.1	2.4	53.2	700	4335
0.63	1000	62.7	2.6	68.1	400	7172
0.63	1200	68.6	2.6	74.0	350	8577

通信電纜類 Telecommunication Cables

聚乙烯絕緣聚氯乙烯被覆屋內電纜 (PE-PVC)

本電纜係彩色聚乙烯 (PE) 絕緣聚氯乙烯 (PVC) 簇型之對型或星絞電纜，用於建築物內電信配線，簡稱 PE-PVC 屋內電纜，其特點為安全性佳。

POLYETHYLENE INSULATED POLYVINYL CHLORIDE SHEATHED INDOOR CABLES

This cable is used for building communication wiring applications. The cable is PE insulated unit pair or quad PVC sheathed, abbreviate to PE-PVC indoor cable.

構造概要 Cable Structure

- 導體 **Conductor**[1] → 軟銅單線，0.4、0.5mm。
- 絕緣 **Insulation**[2] → 彩色 PE 絕緣。
- 對絞 **Twinning**、星絞 **Quadding**[3] → 二條或四條芯線絞合而成。
- 簇之構成 **Unit**[4]
  ① 200 對以下：五個星絞均勻絞合成 10 對簇，每簇以著色塑膠帶疏捲，各簇再集合成電纜芯，同層之簇須以同方向同時間交互反轉 (SZ) 集合，或同一左向集合。
  ② 300 對以上：10 對簇五個集合成 50 對簇，同層之 10 對簇須以同方向同時間交互反轉 (SZ) 集合或同一左向集合，每 50 對簇以著色塑膠帶疏捲，各層簇數以同一右向集合成電纜芯。
- 包捲帶 **Core Wrapping**[5] → 自然色聚酯帶
- 遮蔽 **Shield**[6] → 鋁箔聚脂帶
- 外被 **Sheath**[7] → 聚氯乙烯 (PVC)

1 **Conductor :** Solid annealed copper wire in size 0.4mm and 0.5mm.
2 **Insulation :** High Density Polyethylene.
3 **Twinning or Quadding :** Two or four insulated conductors are twisted into a pair or quad.
4 **Unit :**
① 200 pairs and less: Five quads shall be stranded into a 10 pair unit, and binding with color tape. The units are stranded into a compact and circular cable core according to specification.
② 300 pairs and more: Five 10 pair unit shall be stranded into a 50 pair super-unit, and binding with color tape. The super-units are stranded into a compact and circular cable core according to specification.
5 **Core Wrapping :** A Non-hygroscopic tape.
6 **Shielded :** Aluminum-polyester tape.
7 **Sheath :** Polyvinyl chloride compound.

聚乙烯絕緣聚氯乙烯被覆屋內電纜 (PE-PVC)

電氣性能表 Electrical Characteristics at 20℃

項目 \ 線徑 (mm) Item\Conductor Diameter		0.4	0.5
最大導體電阻 (20℃)Ω/Km		147.5 以下	93.5 以下
絕緣耐電壓 V/1 分鐘	導體 - 大地間 conductor-earth	D.C 500V 或 A.C.350V(r.m.s)	
最小絕緣電阻 MΩ-Km		5000 以上	
靜電容量 nF/km(1KHz) Mutual Capacitance	50P(含) 以上	平均值 :55 以下	average value: ≤ 55
	30P(含) 以下	平均值 :60 以下	average value: ≤ 60
近端串音衰減量 dB/300M 以上 (40KHz) Near-End Crosstalk Loss(40KHz)		平均值 :66 以上	average value: ≥ 66
遠端串音衰減量 dB/km (160KHz) Far-End Crosstalk Loss(40KHz)		m-1.28xS 55 ≧以上 (m: 為平均值 s: 為標準值)	

電纜尺寸 Cable Dimensions

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Sheath Thickness 被覆厚度 (mm)	Overall Diameter 外徑 (mm)	Approx Weight 概算重量 (Kg/M)	Standard Length 標準長度 (M)
0.4	6	0.13	1.3	7	52	500
	10	0.13	1.3	8	69	500
	20	0.13	1.3	9	109	500
	30	0.13	1.3	10	143	500
	50	0.13	1.4	13	218	500
	100	0.13	1.6	17	397	500
	200	0.13	1.9	22	746	500
	300	0.13	2.0	27	1076	500
	400	0.13	2.3	31	1427	500
	600	0.13	2.4	36	2061	500
0.5	6	0.15	1.3	8	67	500
	10	0.15	1.3	9	90	500
	20	0.15	1.3	10	146	500
	30	0.15	1.3	12	198	500
	50	0.15	1.4	15	309	500
	100	0.15	1.6	20	565	500
	200	0.15	2.0	26	1087	500
	300	0.15	2.1	31	1577	500
	400	0.15	2.4	36	2092	500
	600	0.15	2.5	43	3044	500

通信電纜類 Telecommunication Cables

PCM E1 屋內電纜

本電纜係以鍍錫軟銅線為導體，低煙無鹵 (Low Smoke Free Halogen，簡稱 LSFH) 耐燃熱塑性塑膠被覆之對絞層型或簇型電纜，依其構造分成非遮蔽型心線對 E1 屋內電纜（簡稱 UTP- E1 屋內電纜）及遮蔽型心線對 E1 屋內電纜（簡稱 STP- E1 屋內電纜）等兩大類。

本電纜適用於建築物內 E1 電路之電信配線及局內 E1 設備各機架間之介面配線線路。

This cable covers the requirements of high density polyethylene insulated, twist pair, overall foil screen, copper tape shielded and Low Smoke Free Halogen sheath for digital exchanges and PCM E1 equipment carrier systems.

構造概要 Cable Structure

非遮蔽型 UTP Type	遮蔽型 STP Type
導體：鍍錫軟銅線 0.4, 0.5mm Conductor: Tinned copper wire	導體：鍍錫軟銅線 0.4, 0.5mm Conductor: Tinned copper wire
絕緣：彩色發泡、充實聚乙烯 Insulation: Foam-skin polyethylene	絕緣：彩色發泡、充實聚乙烯 Insulation: Foam-skin polyethylene
對絞：二條芯線絞合而成 Twinning: Two insulated conductors are twisted into a pair.	對絞：二條芯線絞合而成 Twinning: Two insulated conductors are twisted into a pair.
------	每對個別隔離：聚酯帶 Individually Screening：Polyester tape 接地線：鋁箔聚酯帶 Drain wire：Aluminum-Polyester tape
集合方式：層型 Cable formation: Layer type	集合方式：簇型 Cable formation: Unit type
聚酯帶 Polyester tape	鋁箔聚酯帶 Aluminum-Polyester tape
接地線： Drain wire	接地線： Drain wire
軟銅帶： Annealed copper type	鋁箔聚酯帶： Aluminum-Polyester tape
聚酯帶 Polyester tape	
低煙無毒被覆 LSFH Sheath	低煙無毒被覆 LSFH Sheath

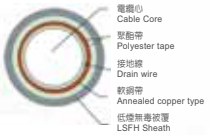
電氣性能表 Electrical Characteristics at 20℃

線徑 Conductor diameter	(mm)	0.4	0.5
最大導體電阻 Max. conductor resistance	(Ω/km)	157.0 以下 Max. 157.0	100.2 以下 Max. 100.2
絕緣耐電壓 V/1 分鐘 Dielectric strength (V/1 min.)	導體間 Conductor-Conductor	直流電壓 1000V 或交流電壓 700V D.C 1000V or A.C 700V(r.m.s)	
	導體與遮蔽層間 Conductor- Screen	直流電壓 1500V 或交流電壓 1000V D.C 1500V or A.C 1000V(r.m.s)	
最小絕緣電阻 Min. Insulation resistance	(MΩ/km)	5000 以上 Min. 5000	
靜電容量 at 1KHz Mutual capacitance	nF/km	50 以下 Max. 50	
衰減量 Attenuation at 1024 KHz	dB/Km	1P: 42.5 以下 1P 以上：25.0	1P: 34.0 以下 1P 以上：20.0
特性阻抗 at 1024 KHz Characteristic Impedance	Ω	120 ± 10	
近端串音衰減量 at 1024 KHz Near-end crosstalk attenuation	dB	A.C. 360/2(R.M.S)；D.C.50/1	
導體對地 Conductor Ground	(V/sec.)	大於或等於 60 ≧ 60	

電纜尺寸 Cable Dimensions

非遮蔽型 UTP Type

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Sheath Thickness 被覆厚度 (mm)	Overall Diameter 完成外徑 (mm)	Standard Length 標準長度 (M)
0.4	1	0.3	0.6	3.6	200
	2	0.3	0.6	5.2	200
	4	0.3	0.6	6.0	500
	8	0.3	0.6	7.8	500
	10	0.3	0.6	9.2	500
	16	0.3	0.8	11.0	500
	22	0.3	1.0	13.2	500
	25	0.3	1.0	14.0	500
	30	0.3	1.0	14.8	500
	32	0.3	1.0	15.4	500
	40	0.3	1.5	17.6	500
	45	0.3	1.5	19.0	500
0.5	1	0.4	0.6	3.9	200
	2	0.4	0.6	5.6	200
	4	0.4	0.6	6.5	500
	8	0.4	0.6	8.5	500
	10	0.4	0.6	10.0	500
	16	0.4	0.8	11.9	500
	22	0.4	1.0	14.3	500
	25	0.4	1.0	15.2	500
	30	0.4	1.0	16.1	500
	32	0.4	1.0	16.7	500
	40	0.4	1.5	19.0	500
	45	0.4	1.5	20.6	500



遮蔽型 STP Type

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Sheath Thickness 被覆厚度 (mm)	Overall Diameter 完成外徑 (mm)	Standard Length 標準長度 (M)
0.4	1	0.4	0.6	3.7	200
	2	0.4	0.6	6.0	200
	4	0.4	0.6	7.0	500
	8	0.4	0.6	12.8	500
	10	0.4	0.6	12.8	500
	16	0.4	0.8	15.6	500
	22	0.4	1.0	17.6	500
	25	0.4	1.0	19.4	500
	30	0.4	1.0	19.4	500
	32	0.4	1.0	21.1	500
	40	0.4	1.5	26.2	500
	45	0.4	1.5	26.2	500
0.5	1	0.4	0.6	3.9	200
	2	0.4	0.6	6.6	200
	4	0.4	0.6	7.7	500
	8	0.4	0.6	13.7	500
	10	0.4	0.6	13.7	500
	16	0.4	0.8	16.7	500
	22	0.4	1.0	18.9	500
	25	0.4	1.0	20.8	500
	30	0.4	1.0	20.8	500
	32	0.4	1.0	22.7	500
	40	0.4	1.5	28.0	500
	45	0.4	1.5	28.0	500

通信電纜類 Telecommunication Cables

Cat5e LAN Cable 數位電纜

本非遮蔽對型 (Unshielded Twisted Pair，簡稱 UTP) 屋內電纜係供建築物內電信配線，作為語音及數據訊號之傳輸，特性阻抗標稱值為 100Ω。本電纜主要參照 ANSI/TIA/EIA-568-B 最新版 UTP 屋內電纜相關規格擬訂。

High performance ANSI/TIA/EIA-568-B compliant Category 5e UTP cables for mission critical LAN applications or structured cabling systems at affordable prices.

構造概要 Cable Structure

導體：軟銅單電線 24 AWG (0.5mm)	Conductor: Bare annealed copper wire
絕緣：彩色高密度聚乙烯	Insulation: High density polyethylene
對絞：二條芯線絞合而成	Twinning: Two insulated conductors are twisted into a pair.

集合 Stranding：0-4P

對數 NO. Pair	第一種芯線 A wire	第二種芯線 B wire
1	白 + 藍注條 White with blue stripe	藍 Blue
2	白 + 橙注條 White with orange stripe	橙 Orange
3	白 + 綠注條 White with green stripe	綠 Green
4	白 + 棕注條 White with brown stripe	棕 Brown

耐燃 PVC 或低煙無毒被覆	FR-PVC or LSFH sheath

電氣性能表 Electrical Characteristics at 20℃

最大導體電阻 Max. conductor resistance	標準值 Standard：8.87Ω/100m 最大值 Max.：9.35Ω/100m
導體電阻不平衡 Conductor resistance unbalance	最大值 Max.：5
絕緣耐壓 Dielectric strength	DC 2500V/3 秒鐘不得異狀 DC 2500V/3 sec.,No defect
最小絕緣電阻 Min. Insulation resistance	1,500 MΩ/km 以上 Min.1,500 MΩ/km
靜電容量 at 1KHz Mutual capacitance	平均值 5.6nF/100m 以下 Average 5.6nF/100m ↓
對地容量不平衡 at 1KHz Capacitance unbalance	每對對地容量不平衡值，最大值不得超過 330pF/100m Max. 330pF/100m

電纜尺寸 Cable Dimensions

Conductor Diameter 線徑 (mm)	Number of Pairs 對數 (P)	Insulation Thickness 絕緣厚度 (mm)	Sheath Thickness 被覆厚度 (mm)	Overall Diameter 完成外徑 (mm)	Standard Length 標準長度 (M)
0.5mm 24 AWG	4P	0.22mm	0.6mm	5.3mm	305M 1000 ft

傳輸特性表 Transmission Characteristics at 20℃

頻率 Frequency	最小回流損失 Return loss Min.	最大衰減量 Attenuation Max.	近端串音衰減量 (p-p NEXT)	多重近端串音衰減量 (PS NEXT)	同級遠端串音衰減量 (EL FEXT)	多重同級遠端串音衰減量 (PSEL NEXT)	傳播延遲 Propagation delay
(MHz)	(dB)	(dB/100M)	(dB)	(dB)	(dB)	(dB)	(ns/100m)
0.772	-	1.8	67.0	64.0	66.0	63.0	-
1.0	20.0	2.0	65.3	62.3	63.8	60.8	570
4.0	23.0	4.1	56.3	53.3	51.8	48.8	552
8.0	24.5	5.8	51.8	48.8	45.7	42.7	547
10.0	25.0	6.5	50.3	47.3	43.8	40.8	545
16.0	25.0	8.2	47.2	44.2	39.7	36.7	543
20.0	25.0	9.3	45.8	42.8	37.8	34.8	542
25.0	24.3	10.4	44.3	41.3	35.8	32.8	541
31.25	23.6	11.7	42.9	39.9	33.9	30.9	540
62.5	21.5	17.0	38.4	35.4	27.9	24.9	539
100.0	20.1	22.0	35.0	32.3	23.8	20.8	538

導體 Conductor
絕緣體 Insulation
剖離繩 Ripcord
耐燃 PVC 或低煙無毒被覆 FR-PVC or LSFH Sheath

高頻同軸電纜類 High Frequency Coaxial Cables

徹底發揮元件的最高效能 FLEXTUNG more than just individual components

當您選擇了 FLEXTUNG 的系列產品，就等於選擇了經過最精密設計而製造的元件，有助於您裝置連接器上的便利及使用上的簡便。工具組件、避雷器具、接地組件及跳接線提供了最完整的製造過程。不僅如此，FLEXTUNG 也提供最詳盡的技術及操作支援給本系列產品的使用者。

When you select FLEXTUNG, you will benefit from a carefully designed system of components that facilitate installation and ease of connection. Tools, lightning protection, grounding kits and jumper cables complete the product line. In addition, we offer intensive product training on FLEXTUNG installation and operation.

Using Flextung Coaxial Cables

FLEXTUNG 之同軸電纜是用於連接無線傳輸天線至基地台的最佳線材。FLEXTUNG 的同軸電纜之所以優良是在於它除了低反射損失的特性外，也有著超低的傳輸損失，主要歸因於線材中的發泡聚乙稀介質。

When it comes to connecting the mobile communication antenna with the base station, the FLEXTUNG coaxial cable is the right antenna cable for the job. FLEXTUNG coaxial cables excel because, in addition to an excellent return loss, they also have an extremely low loss due to a dielectric that consists of polyethylene (PE) foam.

FLEXTUNG 之同軸電纜的特點，也包括能讓使用者選擇，將線材組裝於 FLEXTUNG 的跳接線或單一安置在不同區段再使用的變通性。

FLEXTUNG coaxial cables are also used in the pre-assembled FLEXTUNG jumper cables or can be assembled individually on site with a variety of connectors in different lengths.

FLEXTUNG 同軸電纜構造如下

- 內導體使用裸銅線、銅包鋁、銅管或壓波銅管 [1]
- 介質層使用高發泡 PE [2]
- 外導體為銅管環狀壓波，或依柔軟度之需要而採用螺旋型之壓波 [3]
- 外被覆使用 PE 或耐燃型或低煙無毒料 [4]

FLEXTUNG coaxial cables are constructed as follows:

1 Inner conductor of copper wire, copper clad aluminium, copper tube or corrugated copper tube
2 Dielectric of highly foamed PE
3 Outer conductor of a corrugated copper tube with annular or spiral corrugation, depending on the flexibility required
4 External sheath of PE or flame-retardand, halogen-free material (LSFH)

基地台應用範例 application example

高頻同軸電纜類 High Frequency Coaxial Cables

電氣性能表 Electrical Characteristics (參照 JIS 規格 Reference to JIS specification)

Ordering Description 品名	Capacitance 靜電容量	Impedance 特性阻抗	標準衰減量 Standard Attenuation					Velocity Factor 波長縮短率 10MHz	Min. Insulation Resistance 最小絕緣電阻	AC Dielectric Strength 耐電壓
			1MHz	10MHz	30MHz	200MHz	1000MHz			
-	nF/km	Ω	dB/km					%	M-km	KV
3C-2V,3C-2W,3C-2WS	67±3	75±3	13	42	73	194	-	67±2	10000	1
3C-2T	67±3	75±3	13	-	-	-	-	67±2	10000	1
5C-2V,5C-2W,5C-2Z	67±3	75±3	8	27	47	126	-	67±2	10000	1
7C-2V	67±3	75±3	7	22	38	105	-	67±2	10000	1
10C-2V,10C-2W	67±3	75±3	5	18	31	86	-	67±2	10000	1
1.5C-2V	69±4	75±3	73	96	145	393	-	66±2	1000	1
2.5C-2V	69±4	75±3	17	52	93	251	-	66±2	1000	1
1.5D-2V	104±5	50±2	24	85	145	415	910	66±2	1000	0.3
2.5D-2V	100±5	50±2	13	45	80	226	500	66±2	1000	1
3D-2V	100±4	50±2	15	47	82	219	515	67±2	10000	1
3D-2W	100±4	50±2	15	47	82	219	515	67±2	10000	1
5D-2V,5D-2W	100±4	50±2	8	27	47	129	320	67±2	10000	1
8D-2V,8D-2W	100±4	50±2	6	20	35	95	240	67±2	10000	1
10D-2V,10D-2W	100±4	50±2	4	14	24	70	195	67±2	10000	1

電纜尺寸 Cable Dimensions (參照 JIS 規格 Reference to JIS specification)

Ordering Description 品名	Inner Conductor 內部導體		PE Insulation PE 絕緣體	Outer Conductor 外部導體				PVC Jacket PVC 被覆		Overall Diameter 完成外徑	Estimated Weight 概算重量
	Structure 構成	Diameter 外徑		Bare Copper Wire Braided Shield 軟銅線編織			Diameter 外徑	Color 顏色	Normal Thickness 標準厚度		
	股 /mm No/mm	mm	mm	mm	Ends 股數	Carriers 錠數	mm	-	mm	mm	kg/km
3C-2WS	7/0.18	0.54	3.2	0.14	5	24	4.6**	黑 BLACK	1.0	6.6+0.3	76
3C-2V	-	0.5	3.1	0.14	5	24	3.8	黑 BLACK	1.0	5.8+0.5	48
3C-2W	-	0.5	3.1	0.14	5	24	4.5**	黑 BLACK	1.0	6.5+0.5	75
3C-2Z	-	0.5	3.1	0.14	5	24	3.8	-	-	3.8+0.5	28
3C-2T	-	0.5	3.1	0.14	5	24	5.4***	黑 BLACK	1.0	7.4+0.5	110
5C-2V	-	0.8	4.9	0.14	7	24	5.6	黑 BLACK	1.0	7.6+0.5	75
5C-2W	-	0.8	4.9	0.14	7	24	6.3**	黑 BLACK	1.0	8.3+0.5	110
5C-2Z	-	0.8	4.9	0.14	7	24	5.6	-	-	5.6+0.5	48
7C-2V	7/0.4	1.2	7.3	0.18	8	24	8.2	黑 BLACK	1.0	10.2+0.5	140
10C-2V	7/0.5	1.5	9.2	0.20	10	24	10.2	黑 BLACK	1.5	13.2+0.5	235
10C-2W	7/0.5	1.5	9.2	0.20	10	24	11.2**	黑 BLACK	1.5	14.2+0.6	320
1.5C-2V*	-	0.26	1.6	0.10	5	16	2.1	黑 BLACK	0.4	2.9+0.4	13
2.5C-2V	-	0.4	2.4	0.12	6	16	3.0	黑 BLACK	0.5	4.0+0.5	25
1.5D-2V	7/0.18	0.54	1.6	0.10	5	16	2.1	灰 GRAY	0.4	2.9+0.4	14
2.5D-2V	-	0.8	2.7	0.12	7	16	3.3	灰 GRAY	0.5	4.3+0.5	35
3D-2V	7/0.32	0.96	3.0	0.14	5	24	3.7	灰 GRAY	0.8	5.3+0.5	44
3D-2W	7/0.32	0.96	3.0	0.14	5	24	4.4**	灰 GRAY	1.0	6.4+0.5	75
5D-2V	-	1.4	4.8	0.14	7	24	5.5	灰 GRAY	1.0	7.5+0.5	85
5D-2W	-	1.4	4.8	0.14	7	24	6.2**	灰 GRAY	1.0	8.2+0.5	120
8D-2V	7/0.8	2.4	7.9	0.18	8	24	8.8	灰 GRAY	1.4	11.6+0.5	195
8D-2W	7/0.8	2.4	7.9	0.18	8	24	9.7**	灰 GRAY	1.4	12.3+0.6	260
10D-2V	-	2.9	9.7	0.20	10	24	10.7	灰 GRAY	1.5	13.7+0.6	285
10D-2W	-	2.9	9.7	0.20	10	24	11.7	灰 GRAY	1.5	14.7+0.6	370

高頻同軸電纜類 High Frequency Coaxial Cables

電纜構造與尺寸 Cable Structure and Dimensions (參照MIL-C-17規格 Reference to MIL-C-17 specification)

Ordering Description 品名	Inner Conductor 內部導體		Insulation 絕緣體		Outer Conductor 外部導體												
					Inner Braided Shield 內部編織構成					Inner Braided Shield 內部編織構成					Jacket 被覆		
	Material 材料	Structure 構成	Material 材料	Diameter 外徑	Material 材料	Conductor Diameter 芯線徑	股 /mm No/mm	Carriers 錠數	Picks Per inch 交叉目數 / 吋	Material 材料	Conductor Diameter 芯線徑	股 / mm No/ mm	Carriers 錠數	Picks Per inch 交叉目數 / 吋	Material 材料	Diameter 外徑	
	-	股 /mm No/mm	-	mm	-	mm	-	-	目 ±%	-	mm	-	-	目 ±%	-	mm	
RG-5B/U	Cu-Ag	1/1.29	PE-s	1.60±0.10	Cu-Ag	0.16	9, 9	16, 24	5.9±10, 8.8±10	Cu-Ag	0.16	9, 6	16, 24	8.7±10, 13±10	PVC*	8.43±0.10	
RG-6A/U	CP	1/0.724	PE-s	4.70±0.10	CP	0.16	9, 6	16, 24	5.9±10, 8.8±10	Cu	0.16	9, 6	16, 24	8.7±10, 13±10	PVC*	8.43±0.10	
RG-8A/U	Cu	7/0.724	PE-s	7.24±0.25	Cu	0.18	8	24	6.5±10	-	-	-	-	-	PVC*	10.3±0.25	
RG-9B/U	Cu-Ag	7/0.724	PE-s	7.11±0.12	Cu-Ag	0.16	6	24	16.6±10	Cu-Ag	0.16	7	24	15.4±10	PVC*	10.7±0.25	
RG-10A/U	Cu	7/0.724	PE-s	7.24±0.25	Cu	0.18	8	24	6.5±10	-	-	-	-	-	PVC*	10.3±0.25	
RG-11A/U	Cu-Sn	7/0.404	PE-s	7.24±0.17	Cu-Sn	0.18	8	24	6.5±10	-	-	-	-	-	PVC*	10.3±0.17	
RG-12A/U	Cu-Sn	7/0.404	PE-s	7.24±0.25	Cu-Sn	0.18	8	24	6.5±10	-	-	-	-	-	PVC*	10.3±0.25	
RG-13A/U	Cu-Sn	7/0.404	PE-s	7.11±0.25	Cu-Sn	0.16	9	24	6.5±10	Cu	0.16	8	24	10.3±10	PVC*	10.7±0.25	
RG-14A/U	Cu	1/2.59	PE-s	9.4±0.33	Cu	0.18	10	24	5.4±10	Cu	0.18	8	24	10.6±10	PVC*	13.8±0.33	
RG-17A/U	Cu	1/4.78	PE-s	17.3±0.38	Cu	0.26	14, 9, 7	24, 36, 48	3.1±10, 4.0±10, 5.6±10	-	-	-	-	-	PVC*	22.1±0.38	
RG-18A/U	Cu	1/4.78	PE-s	17.3±0.25	Cu	0.26	14, 9, 7	24, 36, 48	3.1±10, 4.0±10, 5.6±10	-	-	-	-	-	PVC*	22.1±0.38	
RG-19A/U	Cu	1/6.35	PE-s	23.1±0.38	Cu	0.26	12, 9	36, 48	3.5+10, 4.2+10	-	-	-	-	-	PVC*	28.5±0.38	
RG-20A/U	Cu	1/6.35	PE-s	23.1±0.38	Cu	0.255	12, 9	36, 48	3.5+10, 4.2+10	-	-	-	-	-	PVC*	28.5±0.38	
RG-22B/U	Cu	7/0.386/2	PE-s	7.24±0.15	Cu	0.16	8	24	9.1+10	Cu-Sn	0.16	8	24	12.0±10	PVC*	10.7±0.25	
RG-23A/U	Cu	7/0.724/2	PE-s	9.65±0.35 each core	Cu	0.16	9	24	10.5+10	Cu	0.16	9	24	12.5±10	PVC*	16.5±0.5, 24.0±0.5	
RG-24A/U	Cu	7/0.724/2	PE-s	9.65±0.35 each core	Cu	0.16	9	24	10.5+10	Cu	0.16	9	24	12.5±10	PVC*	16.5±0.5, 24.0±0.5	
RG-34B/U	Cu	7/0.632	PE-s	11.7±0.25	Cu	0.18	10	24	9+10	-	-	-	-	-	PVC*	16.0±0.25	
RG-35B/U	Cu	1/2.65	PE-s	17.3±0.25	Cu	0.255	14, 9, 7	24, 36, 48	3.1+10, 4.0+10, 5.6+10	-	-	-	-	-	PVC*	22.1±0.25	
RG-55B/U	Cu-Ag	1/0.813	PE-s	2.95±0.12	Cu-Ag	0.127	9, 7	12, 16	9+10, 11.5+10	Cu-Sn	0.127	9, 7	12, 16	10±10, 15±10	PE	5.25max	
RG-57A/U	Cu	7/0.724/2	PE-s	12.0±0.38	Cu	0.255	8	24	6.3+10	-	-	-	-	-	PVC*	15.9±0.381	
RG-58C/U	Cu-Sn	10/0.18	PE-s	2.95±0.10	Cu-Sn	0.127	3, 7	12, 16	7.7+10, 10.3+10	-	-	-	-	-	PVC*	4.95±0.10	
RG-59B/U	Cp	1/0.584	PE-s	3.71±0.10	Cp	0.16	7, 5	16, 24	8.2+10, 12.3+10	-	-	-	-	-	PVC*	6.15±0.10	
RG-62A/U	Cp	1/0.643	PE-c	3.71±0.12	Cp	0.16	7, 5	16, 24	8.2+10, 12.3+10	-	-	-	-	-	PVC*	6.15±0.17	
RG-62B/U	Cp	7/0.202	PE-c	3.71±0.12	Cp	0.16	9, 6	16, 24	3.2+10, 12.3+10	-	-	-	-	-	PVC*	6.15±0.17	
RG-63B/U	Cp	1/0.643	PE-c	7.24±0.25	Cp	0.18	12, 8	16, 24	4.3+10, 6.5+10	-	-	-	-	-	PVC*	10.2±0.25	
RG-71B/U	Cp	1/0.643	PE-c	3.71±0.12	Cp	0.16 0.127	0.16, 0.127	16, 24	8.2+10, 12+10	Cu-Sn	0.127	9, 6	16, 24	10.6±10, 16±10	PE	6.35max	
RG-74A/U	Cu	1/2.59	PE-s	9.410±0.33	Cu	0.18	10	24	5.4+10	Cu	0.18	8	24	10.6±10	PVC*	13.8±0.33	
RG-79B/U	Cp	1/0.643	PE-c	7.24±0.25	Cp	0.18	12, 8	16, 24	4.3+10, 6.5+10	-	-	-	-	-	PVC*	10.3±0.25	
RG-84A/U	Cu	1/2.65	PE-s	17.3±0.25	Cu	0.26	14, 9, 7	21, 36, 18	3.1+10, 4.0+10, 5.6+10	-	-	-	-	-	PVC*	22.1±0.38	
RG-85A/U	Cu	1/2.65	PE-s	17.3±0.25	Cu	0.26	14, 9, 7	24, 36, 18	3.1+10, 4.0+10, 5.6+10	-	-	-	-	-	PVC*	22.1±0.38	
RG-86A/U	Cu	7/0.724/2	PE-s	16.5×7.60	Cu	-	-	-	-	-	-	-	-	-	-	-	
RG-94/U	Cu-Ag	15/0.571	F-t	7.24±0.12	Cu-Ag	0.26	10	24	10.5+10	Cu	0.16	8	24	10.5±10	G	11.3±0.25	
RG-108A/U	Cu-Sn	7/0.321/2	PE-s	2.01±0.076 each core	Cu-Sn	0.127	6	16	10.8+10	-	-	-	-	-	PVC*	5.97±0.25	
RG-111A/U	Cu	7/0.386/2	PE-s	7.24±0.15	Cu	0.16	8	24	9.1+10	Cu-Sn	0.16	8	24	12.0±10	PVC*	10.7±0.25	
RG-115/U	Cu-Ag	7/0.711	F-1	6.35+0.12	Cu-Ag	0.16	6	24	14+10	Cu-Ag	0.16	6	24	15.5+10	G	9.53+0.25	
RG-115A/U	Cu-Ag	7/0.723	F-1	6.48+0.12	Cu-Ag	0.16	6	24	14+10	Cu-Ag	0.16	6	24	15.5+10	G	10.5+0.38	
RG-122/U	Cu-Sn	27/0.127	PE-s	2.44+0.07	Cu-Sn	0.127	6, 5	16, 24	12.9+10, 12.2+10	-	-	-	-	-	PVC*	4.06+0.12	
RG-130/U	Cu	7/0.742/2	PE-s	12.0+0.33	Cu	0.26	8	24	6.3+10	-	-	-	-	-	PVC*	15.9+0.38	
RG-131/U	Cu	7/0.724/2	PE-s	12.0+0.33	Cu	0.26	8	24	6.3+10	-	-	-	-	-	PVC	15.9+0.38	
RG-133A/U	Cu	1/0.645	PE-s	7.24+0.17	Cu	0.18	8	24	6.5+10	-	-	-	-	-	PVC*	10.3+0.25	
RG-140/U	Cu-Ag	1/0.635	F-s	3.71+0.12	Cu-Ag	0.127	7	16	11.5+10	-	-	-	-	-	G	5.92+0.20	
RG-141A/U	Cu-Ag	1/0.991	F-s	2.95+0.12	Cu-Ag	0.127	7	16	11.5+10	-	-	-	-	-	G	4.83+0.12	
RG-142B/U	Cu-Ag	1/0.991	F-s	2.95+0.12	Cu-Ag	0.127	7	16	11.5+10	Cu-Ag	0.127	7	16	14.5+10	F	4.95+0.12	
RG-143A/U	Cu-Ag	1/1.45	F-s	4.70+0.12	Cu-Ag	0.16	5	24	14.5+10	Cu-Ag	0.16	6	24	11.5+10	G	8.26+0.17	
RG-164/U	Cu	1/2.65	PE-s	17.3+0.25	Cu	0.26	7, 14, 9	48, 23, 36	5.6+10, 3.1+10, 4.0+10	-	-	-	-	-	PVC*	22.1+0.25	
RG-174/U	Cp	7/0.160	PE-s	1.52+0.07	Cp	0.10	4	16	16.3+10	-	-	-	-	-	PVC	2.54+0.12	
RG-177/U	Cu	1/4.95	PE-s	17.3+0.25	Cu	0.16	10	48	5.2	Cu-Ag	0.16	10	48	4.1	PVC*	22.7+0.38	
RG-178B/U	Cu-Ag	7/0.102	F-s	0.86+0.05	Cu-Ag	0.10	3	16	25+10	-	-	-	-	-	F	1.9max.	
RG-179B/U	Cu-Ag	7/0.102	F-s	1.60+0.07	Cu-Ag	0.10	5	16	12+10	-	-	-	-	-	F	2.54+0.12	
RG-180B/U	Cu-Ag	7/0.102	F-s	2.59+0.07	Cu-Ag	0.10	7	16	12+10	-	-	-	-	-	F	3.68max.	
RG-181/U	Cu	7/0.404/2	PE-s	5.33+0.12 each core	Cu	0.16	7	24	8.8+10	Cu	0.255	8	24	7.0+10	PVC*	16.2+0.50	
RG-187A/U	Cu-Ag	7/0.102	F-s	1.52 0.15+-0.00	Cu-Ag	0.10	5	16	12+10	-	-	-	-	-	F*	2.79max.	
RG-188A/U	Cu-Ag	7/0.170	F-s	1.52+0.07	Cu-Ag	0.10	5	16	12+10	-	-	-	-	-	F*	2.79max.	
RG-195A/U	Cu-Ag	7/0.102	F-s	2.59+0.07	Cu-Ag	0.10	7	16	12+10	-	-	-	-	-	F*	3.94max.	
RG-196A/U	Cu-Ag	7/0.102	F-s	0.86+0.05	Cu-Ag	0.10	3	16	25+10	-	-	-	-	-	F*	2.03max.	
RG-212/U	Cu-Ag	1/1.41	PE-s	4.70+0.10	Cu-Ag	0.16	9, 6	16, 24	5.9+10, 8.8+10	Cu-Ag	0.16	9, 6	16, 24	8.7+10, 13+10	PVC*	8.43+0.10	
RG-213/U	Cu	7/0.752	PE-s	7.24+0.17	Cu	0.18	8	24	6.5+10	-	-	-	-	-	PVC*	10.3+0.17	
RG-214/U	Cu-Sn	7/0.752	PE-s	7.24+0.17	Cu-Sn	0.16	6	24	16.6+10	Cu-Ag	0.16	0.16	7	15.4+10	PVC*	10.8+0.17	
RG-215/U	-Sn	7/0.752	PE-s	7.24+0.17	-Sn	0.18	8	24	6.5+10	-	-	-	-	-	PVC*	10.3+0.17	
RG-216/U	Cu-Ag	7/0.404	PE-s	7.24+0.17	Cu-Ag	0.16	9	24	6.5+10	Cu	0.16	8	24	10.3+10	PVC*	10.8+0.17	
RG-217/U	Cu	1/2.69	PE-s	9.40+0.25	Cu	0.18	10	24	5.4+10	Cu	0.18	8	24	10.6+10	PVC*	13.8+0.25	
RG-218/U	Cu	1/4.95	PE-s	17.3+0.25	Cu	0.26	14, 9, 7	24, 36, 48	3.1+10, 4.0+10, 5.6+10	-	-	-	-	-	PVC*	22.1+0.25	
RG-219/U	Cu	1/4.95	PE-s	17.3+0.25	Cu	0.26	14, 9, 7	24, 36, 48	3.1+10, 4.0+10, 5.6+10	-	-	-	-	-	PVC*	22.1+0.25	
RG-220/U	Cu	1/6.6	PE-s	23.1+0.38	Cu	0.26	12, 9	36, 48	3.5+10, 4.2+10	-	-	-	-	-	PVC*	28.5+0.38	
RG-221/U	Cu	1/6.6	PE-s	23.1+0.38	Cu	0.26	12, 9	36, 48	3.5+10, 4.2+10	-	-	-	-	-	PVC*	28.5+0.38	
RG-222/U	R	1/1.41	PE-s	4.70+0.10	R	0.16	9, 6	16, 24	5.9+10, 8.8+10	Cu-Ag	0.16	9, 6	16, 24	8.7+10, 13+10	PVC*	8.13+0.10	
RG-223/U	Cu-Ag	1/0.889	PE-s	2.95+0.10	Cu-Ag	0.127	9, 7	12, 16	9+10, 11.5+10	Cu-Ag	0.127	9, 7, 48	12, 16	10+10, 15+10	PVC*	5.50max.	
RG-224/U	Cu	1/2.69	PE-s	9.40+0.25	Cu	0.18	10	24	5.4+10	Cu	0.18	8	24	10.6+10	F	13.8+0.25	
RG-302/U	Cu-Ag	1/0.635	F-s	3.71+0.12	Cu-Ag	0.127	7	16	11.5+10	-	-	-	-	-	F	5.23max.	
RG-303/U	Cu-Ag	1/0.991	F-s	2.95+0.12	Cu-Ag	0.127	7	16	11.5+10	-	-	-	-	-	F	4.32+0.12	
RG-304/U	Cu-Ag	1/1.50	F-s	4.70+0.12	Cu-Ag	0.16	5	24	14.5+10	Cu-Ag	0.16	6	24	11.5+10	F	7.11+0.12	
RG-316/U	Cu-Ag	7/0.170	F-s	1.52+0.07	Cu-Ag	0.10	5	16	12+10	-	-	-	-	-	F	2.59max.	

高頻同軸電纜類 High Frequency Coaxial Cables

電氣性能表 Electrical Characteristics (參照 MIL-C-17 規格 Reference to MIL-C-17 specification)

Max. Attenuation 最大衰減量 dB/km	Impedance 特性阻抗 Ω	Capacitance 靜電容量 nF/km	Dielectric Strength 耐電壓 KV	標準衰減量 Standard Attenuation							Ordering Description 品名
				1MHz	10MHz	30MHz	100MHz	300MHz	1000MHz	3000MHz	
				dB / km							
213(400 MHz)	50±2	93.5	3	-	-	-	79	141	289	548	RG-5B/U
213(400 MHz), 754(3000 MHz)	75±3	67.3	2.7	-	28	48	92	171	361	656	RG-6A/U
197(400 MHz)	52±2	96.8	4.0	-	-	-	69	138	295	590	RG-8A/U
200(400 MHz), 715(3000 MHz)	50±2	98.4	4.0	-	-	-	75	138	285	584	RG-9B/U
197(400 MHz)	52±2	96.8	4.0	-	-	-	69	138	295	590	RG-10A/U
171(400 MHz), 605(3000 MHz)	75±3	67.3	4.0	7.1	23	41	76	139	-	-	RG-11A/U
171(400 MHz), 605(3000 MHz)	75±3	67.3	4.0	7.1	23	41	76	139	-	-	RG-12A/U
187(400 MHz)	74±3	67.3	4.0	7.1	23	41	76	139	-	-	RG-13A/U
141(400 MHz), 459(3000 MHz)	52±2.5	96.8	5.5	-	-	-	46	92	204	426	RG-14A/U
92(400 MHz), 361(3000 MHz)	52±2	96.8	11.0	-	-	-	28	59	138	328	RG-17A/U
92(400 MHz), 361(3000 MHz)	52±2	96.8	11.0	-	-	-	28	59	138	328	RG-18A/U
76(400 MHz)	52±2	96.8	14.0	-	-	-	22	49	115	253	RG-19A/U
76(400 MHz)	52±2	96.8	14.0	-	-	-	22	49	115	253	RG-20A/U
354(400 MHz)	95±5	52.5	1.0	-	-	56	118	230	-	-	RG-22A/U
171(400 MHz) each core	125±5	39.4	10.0	-	13	26	56	115	-	-	RG-23A/U
171(400 MHz) each core	125±5	39.4	10.0	-	13	26	56	115	-	-	RG-24A/U
125(400 MHz)	75±3	67.0	5.2	4.3	13	35	48	90.0	-	-	RG-34B/U
92(400 MHz)	75±3	67.0	10.0	2.5	8	15	30	59	-	-	RG-35B/U
384(400 MHz)	53.5±2.5	93.5	1.9	-	33	66	138	259	525	1000	RG-55B/U
289(400 MHz)	95±5	55.7	3.0	-	-	46	98	194	-	-	RG-57A/U
459(400 MHz), 1640(3000 MHz)	50±2	93.5	1.9	-	43	82	174	315	721	1480	RG-58C/U
295(400 MHz), 988(3000 MHz)	75±3	67.3	2.3	-	34	60	112	202	-	-	RG-59B/U
263(400 MHz)	93±5	44.3	0.75	-	33	56	102	181	328	590	RG-62A/U
263(400 MHz)	93±5	44.3	0.75	-	-	-	-	-	-	-	RG-62B/U
181(400 MHz)	125±6	32.8	1.0	-	20	36	66	118	230	394	RG-63B/U
263(400 MHz)	93±5	44.3	0.75	-	33	56	102	180	328	590	RG-71B/U
141(400 MHz)	52±2	96.8	5.5	-	-	-	46	92	204	427	RG-74A/U
181(400 MHz)	125±6	32.8	1.0	-	20	36	66	118	230	394	RG-79B/U
92(400 MHz)	75±3	67	-	2.5	8.4	15	30	59	-	-	RG-84A/U
92(400 MHz)	75±3	67	-	2.5	8.4	15	30	59	-	-	RG-85A/U
-	200±10	25.6	-	-	-	-	-	-	-	-	RG-86/U
125(400 MHz), 428(3000 MHz)	50±2	95.6	-	-	-	-	51	94	179	347	RG-97/U
-	78±7	-	-	-	-	-	-	-	-	-	RG-108A/U
345(400 MHz)	95±5	-	-	-	-	-	-	-	-	-	RG-111A/U
184(400 MHz)	50±2	95.5	4.0	-	-	-	74	130	290	480	RG-115/U
170(400 MHz)	50±2	95.5	4.0	-	-	-	65	116	223	422	RG-115A/U
590(400 MHz)	50±2	105	1.9	-	-	-	195	345	655	-	RG-122/U
289(400 MHz)	95±5	56	3.0	-	-	46	99	195	-	-	RG-130/U
289(400 MHz)	95±5	56	3.0	-	-	46	99	195	-	-	RG-131/U
187(400 MHz)	95	53	4.0	7.1	23	40	76	140	-	-	RG-133A/U
263(400 MHz)	75±3	63.8	2.2	-	33	58	107	188	-	-	RG-140/U
295(400 MHz)	50±2	95.5	1.9	-	-	-	135	236	444	805	RG-141A/U
295(400 MHz)	50±2	95.5	1.9	-	-	-	135	236	444	805	RG-142B/U
197(400 MHz)	50±2	95.5	2.5	-	-	-	86	152	290	538	RG-143A/U
92(400 MHz)	75±3	67	8.0	2.5	8.2	15	30	59	-	-	RG-164/U
655(400 MHz)	50±2	110	1.5	-	-	-	359	631	1175	2103	RG-174/U
92(400 MHz), 361(3000 MHz)	50±2	100	10.0	-	-	-	29	58	130	296	RG-177/U
950(400 MHz)	50±2	95.5	1.0	-	-	-	430	749	1380	2420	RG-178B/U
690(400 MHz)	75±3	63.8	1.2	-	78	136	249	435	-	-	RG-179B/U
558(400 MHz)	95±5	50.3	1.5	-	57	98	181	316	-	-	RG-180B/U
196(400 MHz) each core	125±5	-	10.0	-	-	-	-	-	-	-	RG-181/U
690(400 MHz)	75±3	63.8	1.2	-	78	136	249	435	-	-	RG-187A/U
657(400 MHz)	50±2	95.5	1.2	-	-	-	253	442	819	1450	RG-188A/U
558(400 MHz)	95±3	50.3	1.5	-	57	98	181	316	-	-	RG-195/U
950(400 MHz)	50±2	95.5	1.0	-	-	-	430	749	1380	2420	RG-196/U
213(400 MHz), 787(3000 MHz)	50±2	100	2.5	-	-	-	80	162	320	624	RG-212/U
181(400 MHz), 623(3000 MHz)	50±2	100	4.0	-	-	-	69	128	257	515	RG-213/U
181(400 MHz), 623(3000 MHz)	50±2	100	4.0	-	-	-	67	123	249	501	RG-214/U
181(400 MHz), 623(3000 MHz)	50±2	100	4.0	-	-	-	73	134	268	535	RG-215/U
171(400 MHz), 607(3000 MHz)	75±3	67	4.0	8.3	27	47	88	159	-	-	RG-216/U
141(400 MHz), 459(3000 MHz)	50±2	100	6.0	-	-	-	50	94	196	410	RG-217/U
82(400 MHz), 361(3000 MHz)	50±2	100	10.0	-	-	-	30	59	132	298	RG-218/U
82(400 MHz), 361(3000 MHz)	50±2	100	10.0	-	-	-	30	59	132	298	RG-219/U
76(400 MHz)	50±2	100	13.0	-	-	-	24	48	112	265	RG-220/U
76(400 MHz)	50±2	100	13.0	-	-	-	24	48	112	265	RG-221/U
1080(400 MHz), 2950(400 MHz)	50±2	100	3.0	-	-	-	-	-	-	-	RG-222/U
384(400 MHz), 1320(400 MHz)	50±2	100	1.9	-	-	-	129	230	443	938	RG-223/U
141(400 MHz), 459(400 MHz)	50±2	100	6.0	-	-	-	50	94	196	410	RG-224/U
263(400 MHz)	75±3	63.8	2.2	-	33	58	107	188	-	-	RG-302/U
354(400 MHz)	50±2	95.5	1.9	-	-	-	135	236	444	805	RG-303/U
197(400 MHz)	50±2	95.5	2.5	-	-	-	86	152	290	538	RG-304/U3
657(400 MHz)	50±2	95.5	1.2	-	-	-	253	442	815	1450	RG-316/U

高頻同軸電纜類 High Frequency Coaxial Cables

低損失發泡同軸電纜 Low Loss Foam Dielectric Coaxial Cable

1/2" 超柔軟型 50 歐姆
1/2" Super-flexible 50 ohms
TYPE: FT4-50-HF
1/2" Superflexible 50 ohms
Low Loss Foam Dielectric
TYPE: FT4-50-HF

1/2" 50 歐姆
1/2" 50 ohms
TYPE: FT4-50
1/2" 50 ohms
Low Loss Foam Dielectric
TYPE: FT4-50

7/8" 50 歐姆
7/8" 50 ohms
TYPE: FT5-50
7/8" 50 ohms
Low Loss Foam Dielectric
TYPE: FT5-50

1-1/4" 50 歐姆
1-1/4" 50 ohms
TYPE: FT6-50
1-1/4" 50 ohms
Low Loss Foam Dielectric
TYPE: FT6-50

1-5/8" 50 歐姆
1-5/8" 50 ohms
TYPE: FT7-50
1-5/8" 50 ohms
Low Loss Foam Dielectric
TYPE: FT7-50

結構 Cable Structure

內導體	Inner conductor					
材質	Material and Cable Structure	銅包鋁線 Copper-clad Aluminium	銅包鋁線 Copper-clad Aluminium	平滑銅管 Smooth Copper tube	平滑銅管 Smooth Copper tube	銅包鋁線 Copper-clad Aluminium
外徑	Diameter	3.6mm	4.8mm	9.0mm	13.1mm	4.8mm
絕緣體	Dielectric					
材質	Material	發泡聚乙烯 Gas-injected foam PE	發泡聚乙烯 Gas-injected foam PE	發泡聚乙烯 Gas-injected foam PE	發泡聚乙烯 Gas-injected foam PE	發泡聚乙烯 Gas-injected foam PE
外徑	Diameter	8.9mm	12.2mm	23.2mm	32.0mm	12.2mm
外導體	Outer conductor					
結構	Cable Structure	螺旋型壓波銅管 Copper tube helical corrugated	環狀型壓波銅管 Copper tube ring corrugated	環狀型壓波銅管 Copper tube ring corrugated	環狀型壓波銅管 Copper tube ring corrugated	環狀型壓波銅管 Copper tube ring corrugated
外徑	Diameter	12.2mm	14.9mm	24.9mm	36.0mm	14.9mm
被覆體	Jacket					
標準型	Standard jacket	13.6mm	16.0mm	27.9mm	39.0mm	16.0mm
耐燃型	Flame-retardant jacket	13.6mm	16.0mm	27.9mm	39.0mm	16.0mm
重量	Cable weight					
標準型	Standard jacket	197kg/KM	242kg/KM	595kg/KM	1050kg/KM	242kg/KM
低煙無毒耐燃型	LSFH jacket	207kg/KM	261kg/KM	635kg/KM	1130kg/KM	261kg/KM
印字內容	Printing	TAITUNG TAILIAX COAXIAL CABLE 50Ω TYPE 1/2" S FT4-50-HF NOM.DIA.1/2" S (LSFH) AND METER MARK	TAITUNG TAILIAX COAXIAL CABLE 50Ω TYPE 1/2" FT4-50 NOM.DIA.1/2" AND METER MARK	TAITUNG TAILIAX COAXIAL CABLE 50Ω TYPE 7/8" FT5-50 NOM.DIA.7/8" AND METER MARK	TAITUNG TAILIAX COAXIAL CABLE 50Ω TYPE1-1/4" FT6-50 NOM.DIA.1-1/4" AND METER MARK	TAITUNG TAILIAX COAXIAL CABLE 50Ω TYPE 1/2" FT4-50 NOM.DIA.1/2" AND METER MARK

機械特性 Mechanical Characteristics

最小彎曲半徑	Minimum bend radius	32mm	125mm	250mm	380mm	510mm
最大拉伸力	Max. tensile strength	66kg	112kg	147kg	262kg	177kg
使用溫度範圍	Operating temperature					
標準型	Standard jacket	-40 to +60 ℃	-40 to +60 ℃	-40 to +60 ℃	-40 to +60 ℃	-40 to +60 ℃
低煙無毒耐燃型	LSFH jacket	-30 to +60 ℃	-30 to +60 ℃	-30 to +60 ℃	-30 to +60 ℃	-30 to +60 ℃
耐衝擊力	Flat plate Crush strength	1.7Kg/mm	1.9Kg/mm	1.7Kg/mm	2.4Kg/mm	2.7Kg/mm

電氣特性 Electrical Characteristics

導體電阻	DC resistance at 20 ℃					
內導體	Inner conductor	2.70 Ω/Km	1.50 Ω/Km	1.05 Ω/Km	0.70 Ω/Km	0.85 Ω/Km
外導體	Outer conductor	3.10 Ω/Km	1.90 Ω/Km	1.18 Ω/Km	0.50 Ω/Km	0.36 Ω/Km
特性阻抗	Characteristic impedance	50 ±1Ω	50 ±1Ω	50 ±1 Ω	50 ±1 Ω	50 ±1 Ω
靜電容量	Nominal capacitance	81PF/m	76PF/m	75PF/m	76PF/m	77PF/m
電感量	Inductance	0.203μH/m	0.190μH/m	0.187μH/m	0.190μH/m	0.193μH/m
反射損失掃頻 (<200m 電纜組合含兩個接頭) (On bulk cable <200m including 2 connectors)	Swept Return Loss	≧ 24dB	≧ 24dB	≧ 24dB	≧ 24dB	≧ 24dB
交互調變 (Third order products test with 2X43dBm carries)	Intermodulation	≦ -150dBc	≦ -150dBc	≦ -150dBc	≦ -150dBc	≦ -150dBc
傳播速率	Relative velocity of propagation	81%	88%	88%	88%	87%
耐電壓	Dielectric strength	DC 2500V for 1min	DC 2500V for 1 min	DC 2500V for 1 min	DC 9000V for 1 min	DC 11000V for 1 min
峰值功率	Peak power rating	15.6KW	40KW	91KW	205KW	315KW
截止頻率	Cut-off frequency	11.3GHz	9.1GHz	5.3GHz	3.6GHz	2.7GHz
屏蔽衰減	Screening effectiveness	≧ 120dB	≧ 120dB	≧ 120dB	≧ 120dB	≧ 120dB

高頻同軸電纜類 High Frequency Coaxial Cables

TAILIAX 洩波同軸電纜 Radiating Coaxial Cables For Underground Cable Specification

電纜構造 Cable Structure

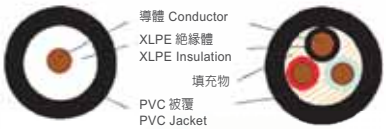
項目 Item / 規格 Type	TLCX-42D (LS) <1-5/8">	TLCX-33D (LS) <1-1/4">	TLCX-22D (LS) <7/8">	TLCX-12D (LS) <1/2">
內導體 Inner conductor	螺旋型壓波銅管 Helically Corrugated Copper Tube	平滑銅管 Copper tube		銅包鋁 Copper Clad Aluminum
外徑 Diameter (Nom.)	17.3mm±0.1	13.1mm±0.1	9.0mm±0.1	4.9mm±0.1
絕緣體 Dielectric	發泡聚乙稀 Highly Foamed Polyethylene.			
外徑 Diameter (Nom.)	42.0mm	33.0mm	23.0mm	12.0mm
外導體 Outer conductor	壓波銅管開孔溝槽 Corrugated/Slotted Copper Tube			
外徑 Diameter (Nom.)	46.5mm	36.0mm	24.9mm	13.8mm
外被覆 Jacket	* 標準型：聚乙稀 (黑色) Standard type: Polyethylene(Black). * 低煙無毒耐燃防火型：(灰色) LS type (LSFH) Flame-Retardant/Halogen Free Polyethylene(Gray).			
外徑 Diameter (Nom.)	50.0mm±1.5	39.0mm±1.0	27.9mm±0.8	16.0mm±0.8
最小彎曲半徑 Min. Bending radius	510mm	380mm	250mm	125mm

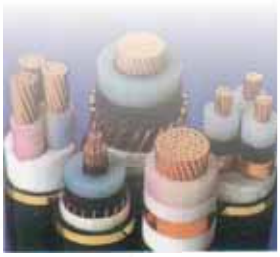
電氣特性 Electrical Specification

項目 Item / 規格 Type		TLCX-42D (FR) <1-5/8">	TLCX-33D (FR) <1-1/4">	TLCX-22D (FR) <7/8">	TLCX-12D (FR) <1/2">
操作頻率範圍 Operating Frequency Range		30-2000MHz			
導體電阻 Max. DC Resistance Ω/KM	內導體 Inner Conductor	0.90Ω/KM	0.80Ω/KM	1.20Ω/KM	1.80Ω/KM
	外導體 Outer Conductor	0.45Ω/KM	0.65Ω/KM	1.20Ω/KM	2.00Ω/KM
絕緣電阻 Insulation Resistance		More than 10,000MΩ/KM (DC 500V/1 min)			
耐電壓 Dielectric Strength		DC 11000V / 1min	DC 9000V / 1min	DC 6000V / 1min	DC 4000V / 1min
特性阻抗 Characteristic Impedance		50Ω	50Ω	50Ω	50Ω
傳播速率 Propagation Velocity		88%	88%	88%	88%
電壓駐波比 VSWR (at 150 MHz)		≦ 1.3	≦ 1.3	≦ 1.3	≦ 1.3
衰減量 Attenuation (Nom.)	150MHz	1.03dB/100M	1.35dB/100M	1.8dB/100M	3.21dB/100M
	450MHz	1.97dB/100M	2.51dB/100M	3.3dB/100M	5.80dB/100M
	900MHz	3.00dB/100M	3.81dB/100M	5.0dB/100M	8.60dB/100M
	1800MHz	4.80dB/100M	6.20dB/100M	8.7dB/100M	13.5dB/100M
交連衰減 dB 距離 20 呎 (6.1 公尺) 50/95% 接收機率 (50/95) Coupling loss (Nom.) at 20ft (6.1m)	150MHz	74/86dB	70/82dB	65/74dB	57/69dB
	450MHz	80/92dB	67/74dB	69/78dB	66/78dB
	900MHz	79/91dB	75/87dB	72/84dB	66/78dB
	1800MHz	74/86dB	72/84dB	68/80dB	67/79dB
系統損失 dB 距離 20 呎 (6.1 公尺) 95% 接收機率 1km System Loss (Nom.) at 20 ft (6.1m)	150MHz	96dB	95dB	92dB	101dB
	450MHz	99dB	99dB	111dB	136dB
	900MHz	121dB	125dB	134dB	136dB
	1800MHz	134dB	146dB	167dB	92dB

600V/1KV 交連聚乙烯絕緣聚氯乙烯被覆電力電纜
600V/1KV XLPE Insulation PVC Sheath Power Cable

電纜尺寸及電氣性能表
Cable Dimensions & Electrical Characteristics





單芯 Single Core

Conductor Nominal Area 標稱截面積	Conductor 導體		Minimum Average Insulation Thickness 最小平均絕緣厚度	Minimum Average Sheath Thickness 最小平均被覆厚度	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻	Overall Diameter Approx 完成外徑 (約)	Estimated Weight 概算重量
	Structure 構成	Diameter 外徑							
mm2	---	mm	mm	mm	Ω/km	kV	MΩ/km	mm	Kg/km
2.0	7/0.6	1.8	0.76	0.38	9.24	3.5	2500	4.4	51
3.5	7/0.8	2.4	0.76	0.38	5.20	3.5	2000	5.0	71
5.5	7/1.0	3.0	0.76	0.38	3.33	3.5	2000	5.6	94
8	7/1.2	3.6	1.14	0.38	2.31	5.5	1500	6.6	134
14	7/1.6	4.8	1.14	0.76	1.30	5.5	1500	8.6	203
22	7/2.0	6.0	1.14	0.76	0.824	5.5	1500	9.8	288
38	7/2.6	7.8	1.40	0.76	0.487	7.0	1000	12.1	450
60	19/2.0	10.0	1.40	1.14	0.303	7.0	1000	15.6	679
80	19/2.3	11.5	1.40	1.14	0.229	7.0	1000	17.1	864
100	19/2.6	13.0	1.40	1.14	0.180	7.0	800	18.5	1083
150	37/2.3	16.1	1.65	1.65	0.118	8.0	800	23.4	1676
200	37/2.6	18.2	1.65	1.65	0.0922	8.0	800	25.5	2091
250	61/2.3	20.7	1.65	1.65	0.0722	8.0	600	28.0	2665
325	61/2.6	23.4	2.03	1.65	0.0565	10.0	600	31.4	3380
400	61/2.9	26.1	2.03	1.65	0.0454	10.0	600	34.1	4147
500	61/3.2	28.8	2.03	1.65	0.0373	10.0	600	36.8	4990
600	91/2.9	31.9	2.41	2.41	0.0304	10.0	600	38.5	6105
800	127/2.8	36.4	2.41	2.41	0.0234	10.0	400	46.9	7883
1000	127/3.2	41.6	2.41	2.41	0.0179	10.0	400	52.1	10160

600V/1KV 二芯 Tow Core

Conductor Nominal Area 標稱截面積	Conductor 導體		Minimum Average Insulation Thickness 最小平均絕緣厚度	Minimum Average Sheath Thickness 最小平均被覆厚度	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻	Overall Diameter Approx 完成外徑 (約)	Estimated Weight 概算重量
	Structure 構成	Diameter 外徑							
mm2	---	mm	mm	mm	Ω/km	kV	MΩ/km	mm	Kg/km
2.0	7/0.6	1.8	0.76	1.14	9.42	3.5	2500	9.8	116
3.5	7/0.8	2.4	0.76	1.14	5.30	3.5	2000	11.0	160
5.5	7/1.0	3.0	0.76	1.14	3.40	3.5	2000	12.2	213
8	7/1.2	3.6	1.14	1.52	2.36	5.5	1500	16.0	341
14	7/1.6	4.8	1.14	1.52	1.33	5.5	1500	18.4	502
22	7/2.0	6.0	1.14	1.52	0.840	5.5	1500	20.8	699
38	7/2.6	7.8	1.40	2.03	0.497	7.0	1000	26.6	927
60	19/2.0	10.0	1.40	2.03	0.309	7.0	1000	31.0	1683
100	19/2.6	13.0	1.40	2.03	0.184	7.0	800	36.8	2615
150	37/2.3	16.1	1.65	2.03	0.120	8.0	800	46.3	4053
200	37/2.6	18.2	1.65	2.79	0.0940	8.0	800	50.3	5003
250	61/2.3	20.7	1.65	2.79	0.0736	8.0	600	55.3	6313
325	61/2.6	23.4	2.03	2.79	0.0576	10.0	600	62.1	7985

電力電纜類 Power Cables

600V/1KV 交連聚乙烯絕緣聚氯乙烯被覆電力電纜
600V/1KV XLPE Insulation PVC Sheath Power Cable

600V/1KV 三芯 Three Core

Conductor Nominal Area 標稱截面積	Conductor 導體		Minimum Average Insulation Thickness 最小平均絕緣厚度	Minimum Average Sheath Thickness 最小平均被覆厚度	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻	Overall Diameter Approx 完成外徑 (約)	Estimated Weight 概算重量
	Structure 構成	Diameter 外徑							
mm2	---	mm	mm	mm	Ω/km	kV	MΩ/km	mm	Kg/km
2.0	7/0.6	1.8	0.76	1.14	9.42	3.5	2500	10.4	142
3.5	7/0.8	2.4	0.76	1.14	5.30	3.5	2000	11.6	200
5.5	7/1.0	3.0	0.76	1.14	3.40	3.5	2000	12.9	272
8	7/1.2	3.6	1.14	1.52	2.36	5.5	1500	17.0	431
14	7/1.6	4.8	1.14	1.52	1.33	5.5	1500	19.5	649
22	7/2.0	6.0	1.14	2.03	0.840	5.5	1500	25.1	971
38	7/2.6	7.8	1.40	2.03	0.497	7.0	1000	28.3	1533
60	19/2.0	10.0	1.40	2.03	0.309	7.0	1000	33.0	2271
100	19/2.6	13.0	1.40	2.03	0.184	7.0	800	39.3	3604
150	37/2.3	16.1	1.65	2.79	0.120	8.0	800	49.4	5560
200	37/2.6	18.2	1.65	2.79	0.0940	8.0	800	53.7	6907
250	61/2.3	20.7	1.65	2.79	0.0736	8.0	600	59.1	8769
325	61/2.6	23.4	2.03	2.79	0.0576	10.0	600	66.5	11120

600V/1KV 四芯 Four Core

Conductor Nominal Area 標稱截面積	Conductor 導體		Minimum Average Insulation Thickness 最小平均絕緣厚度	Minimum Average Sheath Thickness 最小平均被覆厚度	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻	Overall Diameter Approx 完成外徑 (約)	Estimated Weight 概算重量
	Structure 構成	Diameter 外徑							
mm2	---	mm	mm	mm	Ω/km	kV	MΩ/km	mm	Kg/km
2.0	7/0.6	1.8	0.76	1.14	9.42	3.5	2500	11.2	174
3.5	7/0.8	2.4	0.76	1.15	5.30	3.5	2000	12.7	252
5.5	7/1.0	3.0	0.76	1.53	3.40	3.5	2000	14.9	373
8	7/1.2	3.6	1.15	1.53	2.36	5.5	1500	18.5	545
14	7/1.6	4.8	1.15	1.53	1.33	5.5	1500	22.4	885
22	7/2.0	6.0	1.15	2.03	0.840	5.5	1500	25.3	1251
38	7/2.6	7.8	1.40	2.03	0.497	7.0	1000	31.1	1960
60	19/2.0	10.0	1.40	2.03	0.309	7.0	1000	36.4	2943
100	19/2.6	13.0	1.40	2.79	0.184	7.0	800	45.1	4845
150	37/2.3	16.1	1.65	2.79	0.120	8.0	800	54.5	7191
200	37/2.6	18.2	1.65	2.79	0.0940	8.0	800	59.4	8961
250	61/2.3	20.7	1.65	2.79	0.0736	8.0	600	65.4	11400
325	61/2.6	23.4	2.03	3.56	0.0576	10.0	600	75.2	14760

600V/1KV 交連聚乙烯絕緣低煙無毒被覆耐燃電纜
600V/1KV XLPE Insulation LSFH Sheath Fire Resistant Cable

電纜尺寸及電氣性能表 Cable Dimensions & Electrical Characteristics

Conductor 導體			Core Numbers 心數	Fire Resistant Layer 耐燃層	XLPE Insulation Thickness 交連聚乙烯絕緣厚度	LSFH Sheath Thickness 低煙無毒被覆厚度	Overall Diameter Approx. 完成外徑（約）	Maximum Conductor Resistance 最大（20℃）導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻
Conductor Nominal Area 標稱截面積	Structure 構成	Diameter 外徑								
mm²	---	mm	C	mm	mm	mm	mm	Ω/km	kV/1min	MΩ-km
14	7/1.6	4.8	1	0.4	1.0	1.5	11.0	1.30	2.0	1500
	圓型壓縮	4.4	1			1.5	10.5	1.31		1500
50	19/1.8	9.0	1	0.4	1.5	1.5	16.5	0.378	2.5	1500
	圓型壓縮	8.5	1			1.5	16.0	0.366		1500
60	19/2.0	10.0	1	0.4	1.5	1.5	17.0	0.303	2.5	1500
	圓型壓縮	9.3	1			1.5	16.5	0.305		1500
80	19/2.3	11.5	1	0.4	1.5	1.5	19.0	0.229	2.5	1500
	圓型壓縮	10.8	1			1.5	18.0	0.229		1500
125	19/2.9	14.5	1	0.4	2.0	1.6	23.0	0.144	3.0	1000
	圓型壓縮	13.5	1			1.5	22.0	0.146		1000
150	37/2.3	16.1	1	0.4	2.0	1.7	25.0	0.118	3.0	900
	圓型壓縮	14.7	1			1.6	23.0	0.122		1000
200	37/2.6	18.2	1	0.4	2.5	1.8	28.0	0.0922	3.0	1000
	圓型壓縮	17.0	1			1.7	27.0	0.0915		1500
250	61/2.3	20.7	1	0.4	2.5	1.9	31.0	0.0722	3.0	900
	圓型壓縮	19.0	1			1.8	29.0	0.0739		1000
325	61/2.6	23.4	1	0.4	2.5	2.0	33.5	0.0565	3.0	800
	圓型壓縮	21.7	1			1.9	32.0	0.0568		900
400	61/2.9	26.1	1	0.4	2.5	2.1	36.5	0.0454	3.0	700
	圓型壓縮	24.1	1			2.0	34.5	0.0462		800
500	61/3.3	28.8	1	0.4	3.0	2.2	40.0	0.0373	3.5	800
	圓型壓縮	26.9	1			2.2	38.5	0.0369		800
600	91/2.9	31.9	1	0.4	3.0	2.4	44.0	0.0304	3.5	700
	圓型壓縮	29.5	1			2.3	41.5	0.0308		800
800	127/2.8	36.4	1	0.4	3.5	2.6	50.0	0.0234	3.5	800
	圓型壓縮	34.0	1			2.5	48.0	0.0231		800
1000	127/3.2	41.6	1	0.4	3.5	2.8	56.0	0.0179	3.5	700
	圓型壓縮	38.0	1			2.7	52.0	0.0187		700
1.25	7/0.45	1.35	2	0.4	0.8	1.5	11.0	16.8	1.5	2500
1.5	30/0.254	1.65	2	0.4	0.8	1.5	11.0	13.0	1.5	2500
2	7/0.6	1.8	2	0.4	0.8	1.5	12.0	9.42	1.5	2500
3.5	7/0.8	2.4	2	0.4	0.8	1.5	13.0	5.30	1.5	2500
5.5	7/1.0	3.0	2	0.4	1.0	1.5	15.0	3.40	1.5	2500
8	7/1.2	3.6	2	0.4	1.0	1.5	16.0	2.36	1.5	2000
	圓型壓縮	3.4	2			1.5	16.0	2.34		2000
14	7/1.6	4.8	2	0.4	1.0	1.5	19.0	1.33	2.0	1500
	圓型壓縮	4.4	2			1.5	18.5	1.34		1500
1.25	7/0.45	1.35	3	0.4	0.8	1.5	12.0	16.8	1.5	2500
2	7/0.6	1.8	3	0.4	0.8	1.5	13.0	9.42	1.5	2500
3.5	7/0.8	2.4	3	0.4	0.8	1.5	14.0	5.30	1.5	2500
5.5	7/1.0	3.0	3	0.4	1.0	1.5	16.0	3.40	1.5	2500
8	7/1.2	3.6	4	0.4	1.0	1.5	19.0	2.36	1.5	2000
	圓型壓縮	3.4	4			1.5	18.5	2.34		2000
14	7/1.6	4.8	4	0.4	1.0	1.5	23.0	1.33	2.0	1500
	圓型壓縮	4.4	4			1.5	22.0	1.34		1500

電力電纜類 Power Cables

Conductor 導體			Core Numbers 心數	Fire Resistant Layer 耐燃層	XLPE Insulation Thickness 交連聚乙烯絕緣厚度	LSFH Sheath Thickness 低煙無毒被覆厚度	Overall Diameter Approx. 完成外徑（約）	Maximum Conductor Resistance 最大（20℃）導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻
Conductor Nominal Area 標稱截面積	Structure 構成	Diameter 外徑								
mm²	---	mm	C	mm	mm	mm	mm	Ω/km	kV/1min	MΩ-km
1.25	7/0.45	1.35	5	0.4	0.8	1.5	14.0	16.8	1.5	2500
2.0	7/0.6	1.8	5	0.4	0.8	1.5	15.0	9.42	1.5	2500
3.5	7/0.8	2.4	5	0.4	0.8	1.5	17.0	5.30	1.5	2500
5.5	7/1.0	3.0	5	0.4	1.0	1.5	20.0	3.40	1.5	2500
1.25	7/0.45	1.35	6	0.4	0.8	1.5	15.5	16.8	1.5	2500
2.0	7/0.6	1.8	6	0.4	0.8	1.5	16.5	9.42	1.5	2500
3.5	7/0.8	2.4	6	0.4	0.8	1.5	18.5	5.30	1.5	2500
5.5	7/1.0	3.0	6	0.4	1.0	1.5	21.5	3.40	1.5	2500
1.25	7/0.45	1.35	7	0.4	0.8	1.5	15.5	16.8	1.5	2500
2.0	7/0.6	1.8	7	0.4	0.8	1.5	16.5	9.42	1.5	2500
3.5	7/0.8	2.4	7	0.4	0.8	1.5	18.5	5.30	1.5	2500
5.5	7/1.0	3.0	7	0.4	1.0	1.5	21.5	3.40	1.5	2500

600V/1KV 交連聚乙烯絕緣低煙無毒被覆耐熱電纜
600V/1KV XLPE Insulation LSFH Sheath Heat Resistant Cable

電纜尺寸及電氣性能表 Cable Dimensions & Electrical Characteristics

Conductor 導體			Core Numbers 心數	XLPE Insulation Thickness 交連聚乙烯絕緣厚度	LSFH Sheath Thickness 低煙無毒被覆厚度	Overall Diameter Approx. 完成外徑（約）	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻
Conductor Nominal Area 標稱截面積	Structure 構成	Diameter 外徑							
mm²	---	mm	C	mm	mm	mm	Ω/km	kV/1min	MΩ-km
2	7/0.6	1.8	1	0.8	1.5	6.5	9.24	1500	2500
3.5	7/0.8	2.4	1	0.8	1.5	7.0	5.20	1500	2500
5.5	7/1.0	3.0	1	1.0	1.5	8.0	3.33	1500	2500
8	7/1.2	3.6	1	1.0	1.5	8.5	2.31	1500	2000
	圓型壓縮	3.4	1		1.5	8.4	2.29	1500	2000
14	7/1.6	4.8	1	1.0	1.5	10.0	1.30	2000	1500
	圓型壓縮	4.4	1		1.5	9.5	1.31	2000	1500
22	7/2.0	6.0	1	1.2	1.5	11.5	0.824	2000	1500
	圓型壓縮	5.5	1		1.5	11.0	0.832	2000	1500
30	7/2.3	6.9	1	1.2	1.5	12.5	0.623	2000	1500
	圓型壓縮	6.5	1		1.5	12.0	0.610	2000	1500
38	7/2.6	7.8	1	1.2	1.5	13.5	0.487	2500	1500
	圓型壓縮	7.3	1		1.5	13.0	0.481	2500	1500
50	19/1.8	9.0	1	1.5	1.5	15.0	0.378	2500	1500
	圓型壓縮	8.5	1		1.5	14.5	0.366	2500	1500
60	19/2.0	10.0	1	1.5	1.5	16.0	0.303	2500	1500
	圓型壓縮	9.3	1		1.5	15.5	0.305	2500	1500
80	19/2.3	11.5	1	1.5	1.5	17.5	0.229	2500	1500
	圓型壓縮	10.8	1		1.5	17.0	0.229	2500	1500
100	19/2.6	13.0	1	2.0	1.5	20	0.180	2500	1500
	圓型壓縮	12.0	1		1.5	19	0.183	2500	1500
125	19/2.9	14.5	1	2.0	1.6	22	0.144	3000	1000
	圓型壓縮	13.5	1		1.5	21	0.146	3000	1000
150	37/2.3	16.1	1	2.0	1.7	24	0.118	3000	900
	圓型壓縮	14.7	1		1.6	22	0.122	3000	1000
200	37/2.6	18.2	1	2.5	1.8	27	0.0922	3000	1000
	圓型壓縮	17.0	1		1.7	26	0.0915	3000	1500
250	61/2.3	20.7	1	2.5	1.9	30	0.0722	3000	900
	圓型壓縮	19.0	1		1.8	28	0.0739	3000	1000
325	61/2.6	23.4	1	2.5	2	33	0.0565	3500	800
	圓型壓縮	21.7	1		1.9	31	0.0568	3500	900
400	61/2.9	26.1	1	2.5	2.1	36	0.0454	3500	700
	圓型壓縮	24.1	1		2	33	0.0462	3500	800
500	61/3.2	28.8	1	3.0	2.2	40	0.0373	3500	800
	圓型壓縮	26.9	1		2.2	38	0.0369	3500	800
600	91/2.9	31.9	1	3.0	2.4	43	0.0304	3500	700
	圓型壓縮	29.5	1		2.3	40	0.0308	3500	800
800	127/2.8	36.4	1	3.5	2.6	49	0.0234	3500	800
	圓型壓縮	34.0	1		2.5	46	0.0231	3500	800
1000	127/3.2	41.6	1	3.5	2.8	54	0.0179	3500	700
	圓型壓縮	38.0	1		2.7	51	0.0187	3500	700
2	7/0.6	1.8	2	0.8	1.5	10.3	9.42	1500	2500
3.5	7/0.8	2.4	2	0.8	1.5	11.5	5.30	1500	2500
5.5	7/1.0	3.0	2	1.0	1.5	13.5	3.40	1500	2500
8	7/1.2	3.6	2	1.0	1.5	14.7	2.36	1500	2000
	圓型壓縮	3.4	2	1.0	1.5	14.3	2.34	1500	2000
14	7/1.6	4.8	2	1.0	1.5	17.0	1.33	2000	1500
	圓型壓縮	4.4	2	1.0	1.5	16.5	1.34	2000	1500
22	7/2.0	6.0	2	1.2	1.6	20.5	0.840	2000	1500
	圓型壓縮	5.5	2	1.2	1.6	21.5	0.849	2000	1500
30	7/2.3	6.9	2	1.2	1.6	22.5	0.635	2000	1500
	圓型壓縮	6.5	2	1.2	1.6	21.5	0.622	2000	1500
38	7/2.6	7.8	2	1.2	1.7	24.0	0.497	2500	1500
	圓型壓縮	7.3	2	1.2	1.7	23.5	0.491	2500	1500
50	19/1.8	9.0	2	1.5	1.9	28.0	0.386	2500	1500
	圓型壓縮	8.5	2	1.5	1.8	27.5	0.373	2500	1500
60	19/2.0	10.0	2	1.5	2.0	30.0	0.309	2500	1500
	圓型壓縮	9.3	2	1.5	1.9	29.0	0.311	2500	1500
80	19/2.3	11.5	2	1.5	2.0	33.5	0.234	2500	1500
	圓型壓縮	10.8	2	1.5	2.0	32.0	0.234	2500	1500
100	19/2.6	13.0	2	2.0	2.3	39	0.184	2500	1500
	圓型壓縮	12.0	2	2.0	2.2	38	0.187	2500	1500
125	19/2.9	14.5	2	2.0	2.4	42	0.147	3000	1000
	圓型壓縮	13.5	2	2.0	2.4	41	0.149	3000	1000
150	37/2.3	16.1	2	2.0	2.5	46	0.120	3000	900
	圓型壓縮	14.7	2	2.0	2.4	43	0.1240	3000	1000
200	37/2.6	18.2	2	2.5	2.8	52	0.0940	3000	1000
	圓型壓縮	17.0	2	2.5	2.7	50	0.0933	3000	1500
250	61/2.3	20.7	2	2.5	3.0	58	0.0736	3000	900
	圓型壓縮	19	2	2.5	2.8	55	0.0754	3000	1000
325	61/2.6	23.4	2	2.5	3.2	64	0.0576	3500	800
	圓型壓縮	21.7	2	2.5	3.1	60	0.0579	3500	900
2	7/0.6	1.8	3	0.8	1.5	10.8	9.42	1500	2500
3.5	7/0.8	2.4	3	0.8	1.5	12.1	5.30	1500	2500
5.5	7/1.0	3.0	3	1.0	1.5	14.3	3.40	1500	2500
8	7/1.2	3.6	3	1.0	1.5	15.6	2.36	1500	2000
	圓型壓縮	3.4	3	1.0	1.5	15.0	2.34	1500	2000
14	7/1.6	4.8	3	1.0	1.5	18.0	1.33	2000	1500
	圓型壓縮	4.4	3	1.0	1.5	17.5	1.34	2000	1500
22	7/2.0	6.0	3	1.2	1.6	22	0.840	2000	1500
	圓型壓縮	5.5	3	1.2	1.6	21	0.849	2000	1500

電力電纜類 Power Cables

Conductor 導體			Core Numbers 心數	XLPE Insulation Thickness 交連聚乙烯絕緣厚度	LSFH Sheath Thickness 低煙無毒被覆厚度	Overall Diameter Approx. 完成外徑（約）	Maximum Conductor Resistance 最大 (20℃) 導體電阻	Test Voltage 試驗電壓	Minimum Insulation Resistance 最小絕緣電阻
Conductor Nominal Area 標稱截面積	Structure 構成	Diameter 外徑							
mm²	---	mm	C	mm	mm	mm	Ω/km	kV/1min	MΩ-km
30	7/2.3	6.9	3	1.2	1.6	24	0.635	2000	1500
	圓型壓縮	6.5	3	1.2	1.6	23	0.622	2000	1500
38	7/2.6	7.8	3	1.2	1.7	26	0.497	2500	1500
	圓型壓縮	7.3	3	1.2	1.7	25	0.491	2500	1500
50	19/1.8	9.0	3	1.5	1.9	30	0.386	2500	1500
	圓型壓縮	8.5	3	1.5	1.8	29	0.373	2500	1500
60	19/2.0	10.0	3	1.5	2.0	33	0.309	2500	1500
	圓型壓縮	9.3	3	1.5	1.9	31	0.311	2500	1500
80	19/2.3	11.5	3	1.5	2.0	36	0.234	2500	1500
	圓型壓縮	10.8	3	1.5	2.0	35	0.234	2500	1500
100	19/2.6	13.0	3	2.0	2.3	42	0.184	2500	1500
	圓型壓縮	12.0	3	2.0	2.2	40	0.187	2500	1500
125	19/2.9	14.5	3	2.0	2.4	46	0.147	3000	1000
	圓型壓縮	13.5	3	2.0	2.4	43	0.149	3000	1000
150	37/2.3	16.1	3	2.0	2.5	49	0.120	3000	900
	圓型壓縮	14.7	3	2.0	2.4	46	0.1240	3000	1000
200	37/2.6	18.2	3	2.5	2.8	56	0.0940	3000	1000
	圓型壓縮	17.0	3	2.5	2.7	54	0.0933	3000	1500
250	61/2.3	20.7	3	2.5	3.0	62	0.0736	3000	900
	圓型壓縮	19	3	2.5	2.8	58	0.0754	3000	1000
325	61/2.6	23.4	3	2.5	3.2	68	0.0576	3500	800
	圓型壓縮	21.7	3	2.5	3.1	65	0.0579	3500	900
2	7/0.6	1.8	4	0.8	1.5	11.7	9.42	1500	2500
3.5	7/0.8	2.4	4	0.8	1.5	13.2	5.30	1500	2500
5.5	7/1.0	3.0	4	1.0	1.5	15.6	3.40	1500	2500
8	7/1.2	3.6	4	1.0	1.5	17.0	2.36	1500	2000
	圓型壓縮	3.4	4	1.0	1.5	16.0	2.34	1500	2000
14	7/1.6	4.8	4	1.0	1.5	20	1.33	2000	1500
	圓型壓縮	4.4	4	1.0	1.5	19	1.34	2000	1500
22	7/2.0	6.0	4	1.2	1.6	24	0.840	2000	1500
	圓型壓縮	5.5	4	1.2	1.6	23	0.849	2000	1500
30	7/2.3	6.9	4	1.2	1.6	26	0.635	2000	1500
	圓型壓縮	6.5	4	1.2	1.6	25	0.622	2000	1500
38	7/2.6	7.8	4	1.2	1.7	29	0.497	2500	1500
	圓型壓縮	7.3	4	1.2	1.7	28	0.491	2500	1500
50	19/1.8	9.0	4	1.5	1.9	33	0.386	2500	1500
	圓型壓縮	8.5	4	1.5	1.8	32	0.373	2500	1500
60	19/2.0	10.0	4	1.5	2.0	36	0.309	2500	1500
	圓型壓縮	9.3	4	1.5	1.9	35	0.311	2500	1500
80	19/2.3	11.5	4	1.5	2.0	40	0.234	2500	1500
	圓型壓縮	10.8	4	1.5	2.0	38	0.234	2500	1500
100	19/2.6	13.0	4	2.0	2.3	46	0.184	2500	1500
	圓型壓縮	12.0	4	2.0	2.2	44	0.187	2500	1500
125	19/2.9	14.5	4	2.0	2.4	50	0.147	3000	1000
	圓型壓縮	13.5	4	2.0	2.4	48	0.149	3000	1000
150	37/2.3	16.1	4	2.0	2.5	54	0.120	3000	900
	圓型壓縮	14.7	4	2.0	2.4	51	0.124	3000	1000
200	37/2.6	18.2	4	2.5	2.8	62	0.0940	3000	1000
	圓型壓縮	17.0	4	2.5	2.7	60	0.0933	3000	1500
250	61/2.3	20.7	4	2.5	3.0	69	0.0736	3000	900
	圓型壓縮	19	4	2.5	2.8	65	0.0754	3000	1000
325	61/2.6	23.4	4	2.5	3.2	76	0.0576	3500	800
	圓型壓縮	21.7	4	2.5	3.1	72	0.0579	3500	900
2.0	7/0.6	1.8	5	0.8	1.5	12.7	9.42	1500	2500
3.5	7/0.8	2.4	5	0.8	1.5	14.3	5.30	1500	2500
5.5	7/1.0	3.0	5	1.0	1.5	21.6	3.40	1500	2500
14	7/1.6	4.8	5	1.0	1.5	28.0	1.33	2000	2500
	圓型壓縮	4.4	5	1.0	1.5	26.6	1.34	2000	2500
2.0	7/0.6	1.8	6	0.8	1.5	15.8	9.42	1500	2500
3.5	7/0.8	2.4	6	0.8	1.5	17.9	5.30	1500	2500
5.5	7/1.0	3.0	6	1.0	1.5	21.6	3.40	1500	2500
2.0	7/0.6	1.8	7	0.8	1.5	15.8	9.42	1500	2500
3.5	7/0.8	2.4	7	0.8	1.5	17.9	5.30	1500	2500
5.5	7/1.0	3.0	7	1.0	1.5	21.6	3.40	1500	2500
---	1/2.6	2.6	8	1.0	1.6	20.3	3.42	1500	2500
2.0	7/0.6	1.8	8	0.8	1.5	15.8	9.42	1500	2500
3.5	7/0.8	2.4	8	0.8	1.5	17.9	5.30	1500	2500
5.5	7/1.0	3.0	8	1.0	1.6	21.8	3.40	1500	2500
---	1/2.6	2.6	9	1.0	1.6	20.3	3.42	1500	2500
2.0	7/0.6	1.8	9	0.8	1.5	15.8	9.42	1500	2500
3.5	7/0.8	2.4	9	0.8	1.6	18.1	5.30	1500	2500
5.5	7/1.0	3.0	9	1.0	1.7	22.0	3.40	1500	2500
2.0	7/0.6	1.8	10	0.8	1.6	17.3	9.42	1500	2500
3.5	7/0.8	2.4	10	0.8	1.6	19.7	5.30	1500	2500
5.5	7/1.0	3.0	10	1.0	1.8	24.1	3.40	1500	2500
2.0	7/0.6	1.8	12	0.8	1.6	18.0	9.42	1500	2500
3.5	7/0.8	2.4	12	0.8	1.7	20.5	5.30	1500	2500
5.5	7/1.0	3.0	12	1.0	1.9	25.0	3.40	1500	2500
2.0	7/0.6	1.8	16	0.8	1.7	20.0	9.42	1500	2500
3.5	7/0.8	2.4	16	0.8	1.8	23.0	5.30	1500	2500
5.5	7/1.0	3.0	16	1.0	2.0	28.0	3.40	1500	2500
2.0	7/0.6	1.8	19	0.8	1.7	21.0	9.42	1500	2500
3.5	7/0.8	2.4	19	0.8	1.9	24.0	5.30	1500	2500
5.5	7/1.0	3.0	19	1.0	2.1	30.0	3.40	1500	2500
2.0	7/0.6	1.8	24	0.8	1.9	25.0	9.42	1500	2500
3.5	7/0.8	2.4	24	0.8	2.1	29.0	5.30	1500	2500
2.0	7/0.6	1.8	27	0.8	2.0	25.5	9.42	1500	2500
3.5	7/0.8	2.4	27	0.8	2.1	29.5	5.30	1500	2500
2.0	7/0.6	1.8	30	0.8	2.0	26.5	9.42	1500	2500
3.5	7/0.8	2.4	30	0.8	2.1	30.5	5.30	1500	2500

600V/1KV 控制電纜 Control Cable

聚氯乙烯絕緣聚氯乙烯被覆控制電纜
PVC Insulation PVC Sheath Control Cable (CVV)

聚乙烯絕緣聚氯乙烯被覆控制電纜
PE Insulation PVC Sheath Control Cable (CEV)

交連聚乙烯絕緣聚氯乙烯被覆控制電纜
XLPE Insulation PVC Sheath Control Cable (CCV)

聚乙烯絕緣聚乙烯被覆控制電纜
PE Insulation PE Sheath Control Cable (CEE)

交連聚乙烯絕緣聚乙烯被覆控制電纜
XLPE Insulation PE Sheath Control Cable (CCE)

電纜尺寸及電氣性能表 Cable Dimensions & Electrical Characteristics

Core Numbers 心數	Conductor Nominal Area 標稱截面積	Conductor 導體		Insulation Thickness 絕緣厚度				Overall Diameter Approx. 完成外徑 (約)		Conductor Resistance 導體電阻 (20℃)	Test Voltage 試驗電壓	Insulation Resistance 絕緣電阻		Estimated Weight 概算重量		
		Structure 構成	Diameter 外徑	PVC	PE XLPE	PVC	PE XLPE	CVV	CEV CEE CCV CCE			CVV	CEV CEE CCV CCE	CVV	CEV CCV	CEE CCE
C	mm²	---	mm	mm		mm		mm		Ω/km	V	MΩ/km		Kg/km		
2	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	9.4	9.4	16.8	2000	50	2500	100	95	80
2	2	7/0.6	1.8	0.8	0.8	1.5	1.5	10.5	10.5	9.42	2000	50	2500	130	130	110
2	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	11.5	11.5	5.30	2000	50	2500	180	175	155
2	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	13.5	13.5	3.40	2000	50	2500	250	245	220
2	8	7/1.2	3.6	1.2	1.0	1.5	1.5	15.5	15.0	2.36	2000	50	2000	340	285	255
2		圓型壓縮	3.4	1.2	1.0	1.5	1.5	15.5	14.5	2.34	2000	50	2000	330	280	245
2	14	7/1.6	4.8	1.4	1.0	1.5	1.5	19.0	17.5	1.33	2000	40	1500	530	430	395
2		圓型壓縮	4.4	1.4	1.0	1.5	1.5	18.0	16.5	1.34	2000	40	1500	505	420	385
2	22	7/2.0	6.0	1.6	1.2	1.6	1.5	23.0	21.0	0.840	2000	40	1500	770	635	595
2		圓型壓縮	5.5	1.6	1.2	1.5	1.5	21.0	19.5	0.849	2000	40	1500	730	615	575
3	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	9.9	9.9	16.8	2000	50	2500	120	115	95
3	2	7/0.6	1.8	0.8	0.8	1.5	1.5	11.0	11.0	9.42	2000	50	2500	160	155	135
3	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	12.5	12.5	5.30	2000	50	2500	225	215	190
3	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	14.5	14.5	3.40	2000	50	2500	320	295	270
3	8	7/1.2	3.6	1.2	1.0	1.5	1.5	16.5	16.0	2.36	2000	50	2000	440	385	355
3		圓型壓縮	3.4	1.2	1.0	1.5	1.5	16.0	15.5	2.34	2000	50	2000	430	375	350
3	14	7/1.6	4.8	1.4	1.0	1.5	1.5	20.0	18.5	1.33	2000	40	1500	690	595	560
3		圓型壓縮	4.4	1.4	1.0	1.5	1.5	19.0	17.5	1.34	2000	40	1500	660	575	540
3	22	7/2.0	6.0	1.6	1.2	1.6	1.5	24.0	22.0	0.840	2000	40	1500	1040	880	840
3		圓型壓縮	4.4	1.6	1.2	1.6	1.5	23.0	21.0	0.849	2000	40	1500	980	855	815
4	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	11.0	11.0	16.8	2000	50	2500	150	135	115
4	2	7/0.6	1.8	0.8	0.8	1.5	1.5	12.0	12.0	9.42	2000	50	2500	200	190	170
4	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	13.5	13.5	5.30	2000	50	2500	280	270	245
4	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	16.0	16.0	3.40	2000	50	2500	405	375	345
4	8	7/1.2	3.6	1.2	1.0	1.6	1.5	18.0	17.0	2.36	2000	50	2000	560	490	455
4		圓型壓縮	3.4	1.2	1.0	1.5	1.5	17.5	16.5	2.34	2000	50	2000	540	480	450
4	14	7/1.6	4.8	1.4	1.0	1.6	1.5	23.0	20.0	1.33	2000	40	1500	900	765	725
4		圓型壓縮	4.4	1.4	1.0	1.5	1.5	21.0	19.0	1.34	2000	40	1500	845	715	680
4	22	7/2.0	6.0	1.6	1.2	1.7	1.6	27.0	24.0	0.840	2000	40	1500	1340	1150	1100
4		圓型壓縮	4.4	1.6	1.2	1.7	1.6	25.0	23.0	0.849	2000	40	1500	1270	1110	1070
5	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	11.5	11.5	16.8	2000	50	2500	175	165	140
5	2	7/0.6	1.8	0.8	0.8	1.5	1.5	13.0	13.0	9.42	2000	50	2500	240	225	200
5	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	14.5	14.5	5.30	2000	50	2500	340	320	295
5	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	17.0	17.0	3.40	2000	50	2500	490	465	430

電力電纜類 Power Cables

Core Numbers 心數	Conductor Nominal Area 標稱截面積	Conductor 導體		Insulation Thickness 絕緣厚度				Overall Diameter Approx. 完成外徑 (約)		Conductor Resistance 導體電阻 (20℃)	Test Voltage 試驗電壓	Insulation Resistance 絕緣電阻		Estimated Weight 概算重量		
		Structure 構成	Diameter 外徑	PVC	PE XLPE	PVC	PE XLPE	CVV	CEV CEE CCV CCE			CVV	CEV CEE CCV CCE	CVV	CEV CCV	CEE CCE
C	mm²	---	mm	mm		mm		mm		Ω/km	V	MΩ/km		Kg/km		
5	8	7/1.2	3.6	1.2	1.0	1.5	1.5	20.0	19.0	2.36	2000	50	2000	685	590	560
5		圓型壓縮	3.4	1.2	1.0	1.5	1.5	18.5	18.5	2.34	2000	50	2000	660	585	555
5	14	7/1.6	4.8	1.4	1.0	1.6	1.6	25.0	23.0	1.33	2000	40	1500	1110	940	800
5		圓型壓縮	4.4	1.4	1.0	1.6	1.5	24.0	21.0	1.34	2000	40	1500	1050	905	865
6	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	12.5	12.5	16.8	2000	50	2500	200	185	160
6	2	7/0.6	1.8	0.8	0.8	1.5	1.5	14.0	14.0	9.42	2000	50	2500	280	260	235
6	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	15.5	15.5	5.30	2000	50	2500	400	375	345
6	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	18.5	18.5	3.40	2000	50	2500	580	550	515
6	8	7/1.2	3.6	1.2	1.0	1.5	1.5	22.0	21.0	2.36	2000	50	2000	810	700	665
6		圓型壓縮	3.4	1.2	1.0	1.5	1.5	21.0	20.0	2.34	2000	50	2000	780	695	660
6	14	7/1.6	4.8	1.4	1.0	1.7	1.6	27.0	25.0	1.33	2000	40	1500	1330	1120	1070
6		圓型壓縮	4.4	1.4	1.0	1.7	1.6	26.0	23.0	1.34	2000	40	1500	1250	1080	1030
7	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	12.5	12.5	16.8	2000	50	2500	220	195	175
7	2	7/0.6	1.8	0.8	0.8	1.5	1.5	14.0	14.0	9.42	2000	50	2500	300	280	255
7	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	15.5	15.5	5.30	2000	50	2500	430	410	380
7	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	18.5	18.5	3.40	2000	50	2500	640	605	570
7	8	7/1.2	3.6	1.2	1.0	1.5	1.5	22.0	21.0	2.36	2000	50	2000	900	775	740
7		圓型壓縮	3.4	1.2	1.0	1.5	1.5	21.0	20.0	2.34	2000	50	2000	865	770	735
8	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	13.5	13.5	16.8	2000	50	2500	250	220	195
8	2	7/0.6	1.8	0.8	0.8	1.5	1.5	15.0	15.0	9.42	2000	50	2500	340	315	285
8	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	17.0	17.0	5.30	2000	50	2500	500	465	430
8	5.5	7/1.0	3.0	1.0	1.0	1.5	1.5	21.0	21.0	3.40	2000	50	2500	730	690	650
8	8	7/1.2	3.6	1.2	1.0	1.6	1.6	24.0	23.0	2.36	2000	50	2000	1040	890	855
8		圓型壓縮	3.4	1.2	1.0	1.6	1.5	23.0	22.0	2.34	2000	50	2000	975	885	850
10	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	15.5	15.5	16.8	2000	50	2500	310	280	250
10	2	7/0.6	1.8	0.8	0.8	1.5	1.5	17.5	17.5	9.42	2000	50	2500	430	405	370
10	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	19.5	19.5	5.30	2000	50	2500	630	595	555
10	5.5	7/1.0	3.0	1.0	1.0	1.6	1.6	24.0	24.0	3.40	2000	50	2500	940	895	845
10	8	7/1.2	3.6	1.2	1.0	1.8	1.7	29.0	27.0	2.36	2000	50	2000	1360	1160	1110
10		圓型壓縮	3.4	1.2	1.0	1.7	1.7	28.0	26.0	2.34	2000	50	2000	1290	1150	1100
12	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	16.0	16.0	16.8	2000	50	2500	350	320	290
12	2	7/0.6	1.8	0.8	0.8	1.5	1.5	18.0	18.0	9.42	2000	50	2500	490	450	415
12	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	21.0	21.0	5.30	2000	50	2500	720	675	630
12	5.5	7/1.0	3.0	1.0	1.0	1.7	1.7	25.0	25.0	3.40	2000	50	2500	1100	1030	975
12	.8	7/1.2	3.6	1.2	1.0	1.8	1.8	30.0	28.0	2.36	2000	50	2000	1560	1350	1290
12		圓型壓縮	3.4	1.2	1.0	1.8	1.7	29.0	27.0	2.34	2000	50	2000	1500	1320	1260
15	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	17.0	17.0	16.8	2000	50	2500	405	365	335
15	2	7/0.6	1.8	0.8	0.8	1.5	1.5	19.0	19.0	9.42	2000	50	2500	575	530	495
15	3.5	7/0.8	2.4	0.8	0.8	1.5	1.5	22.0	22.0	5.30	2000	50	2500	855	790	760
15	5.5	7/1.0	3.0	1.0	1.0	1.7	1.7	27.0	27.0	3.40	2000	50	2500	1310	1220	1170
20	1.25	7/0.45	1.35	0.8	0.8	1.5	1.5	19.0	19.0	16.8	2000	50	2500	515	465	430
20	2	7/0.6	1.8	0.8	0.8	1.5	1.5	22.0	22.0	9.42	2000	50	2500	735	670	635
20	3.5	7/0.8	2.4	0.8	0.8	1.6	1.6	25.0	25.0	5.30	2000	50	2500	1130	1050	1000
20	5.5	7/1.0	3.0	1.0	1.0	1.9	1.9	31.0	31.0	3.40	2000	50	2500	1730	1610	1530
30	1.25	7/0.45	1.35	0.8	0.8	1.6	1.6	23.0	23.0	16.8	2000	50	2500	735	675	635
30	2	7/0.6	1.8	0.8	0.8	1.7	1.7	26.0	26.0	9.42	2000	50	2500	1100	1030	970
30	3.5	7/0.8	2.4	0.8	0.8	1.8	1.8	30.0	30.0	5.30	2000	50	2500	1670	1600	4520

300V/600V 遮蔽型控制電纜 Shielded Control Cable

聚氯乙烯絕緣聚氯乙烯被覆銅線編織遮蔽電纜
PVC Insulation PVC Sheath Copper Braid Shielded Cable (CVV-SB)

聚乙烯絕緣聚氯乙烯被覆銅線編織遮蔽電纜
PE Insulation PVC Sheath Copper Braid Shielded Cable (CEV-SB)

聚乙烯絕緣聚乙烯被覆銅線編織遮蔽電纜
PE Insulation PE Sheath Copper Braid Shielded Cable (CEE-SB)

交連聚乙烯絕緣聚氯乙烯被覆銅線編織遮蔽電纜
XLPE Insulation PVC Sheath Copper Braid Shielded Cable (CCV-SB)

交連聚乙烯絕緣聚乙烯被覆銅線編織遮蔽電纜
XLPE Insulation PE Sheath Copper Braid Shielded Cable (CCE-SB)

電纜尺寸及電氣性能表 Cable Dimensions & Electrical Characteristics

Core Numbers 心數	Conductor Nominal Area 標稱截面積	Conductor 導體		Insulation Thickness 絕緣厚度	Sheath Thickness 被覆厚度	Overall Diameter Approx. 完成外徑 (約)	Conductor Resistance 導體電阻 (20℃)	Test Voltage 試驗電壓	Insulation Resistance 絕緣電阻		Estimated Weight 概算重量		
		Structure 構成	Diameter 外徑						PVC	PE XLPE	CVV-SB	CEV-SB CCV-SB	CEE-SB CCE-SB
C	mm²	---	mm	mm	mm	mm	Ω/km	V	MΩ/km		Kg/km		
2	0.9	7/0.4	1.2	0.8	1.5	10.0	21.7	2000	50	2500	115	110	100
2	1.25	7/0.45	1.35	0.8	1.5	10.5	17.1	2000	50	2500	125	115	110
2	2.0	7/0.6	1.8	0.8	1.5	11.0	9.61	2000	50	2500	160	155	140
2	3.5	7/0.8	2.4	0.8	1.5	12.5	5.40	2000	50	2500	210	205	185
2	5.5	7/1.0	3.0	1.0	1.5	14.5	3.40	2000	50	2500	295	290	265
3	0.9	7/0.4	1.2	0.8	1.5	10.5	21.7	2000	50	2500	140	135	120
3	1.25	7/0.45	1.35	0.8	1.5	11.0	17.1	2000	50	2500	150	140	130
3	2.0	7/0.6	1.8	0.8	1.5	11.5	9.61	2000	50	2500	190	185	165
3	3.5	7/0.8	2.4	0.8	1.5	13.5	5.40	2000	50	2500	255	250	225
3	5.5	7/1.0	3.0	1.0	1.5	15.5	3.40	2000	50	2500	365	355	330
4	0.9	7/0.4	1.2	0.8	1.5	11.0	21.7	2000	50	2500	165	155	135
4	1.25	7/0.45	1.35	0.8	1.5	11.5	17.1	2000	50	2500	175	165	145
4	2.0	7/0.6	1.8	0.8	1.5	12.5	9.61	2000	50	2500	230	215	195
4	3.5	7/0.8	2.4	0.8	1.5	14.0	5.40	2000	50	2500	320	300	275
4	5.5	7/1.0	3.0	1.0	1.5	16.5	3.40	2000	50	2500	460	425	395
5	0.9	7/0.4	1.2	0.8	1.5	12.0	21.7	2000	50	2500	190	180	160
5	1.25	7/0.45	1.35	0.8	1.5	12.5	17.1	2000	50	2500	205	195	175
5	2.0	7/0.6	1.8	0.8	1.5	13.5	9.61	2000	50	2500	270	255	235
5	3.5	7/0.8	2.4	0.8	1.5	15.0	5.40	2000	50	2500	380	360	330
5	5.5	7/1.0	3.0	1.0	1.5	18.0	3.40	2000	50	2500	550	520	490
6	0.9	7/0.4	1.2	0.8	1.5	13.5	21.7	2000	50	2500	220	210	185
6	1.25	7/0.45	1.35	0.8	1.5	14.0	17.1	2000	50	2500	240	225	200
6	2.0	7/0.6	1.8	0.8	1.5	15.0	9.61	2000	50	2500	315	295	270
6	3.5	7/0.8	2.4	0.8	1.5	17.0	5.40	2000	50	2500	495	415	385
6	5.5	7/1.0	3.0	1.0	1.5	20.0	3.40	2000	50	2500	650	595	565
7	0.9	7/0.4	1.2	0.8	1.5	13.5	21.7	2000	50	2500	235	220	195
7	1.25	7/0.45	1.35	0.8	1.5	14.0	17.1	2000	50	2500	255	235	210

電力電纜類 Power Cables

Core Numbers 心數	Conductor Nominal Area 標稱截面積	Conductor 導體		Insulation Thickness 絕緣厚度	Sheath Thickness 被覆厚度	Overall Diameter Approx. 完成外徑 (約)	Conductor Resistance 導體電阻 (20℃)	Test Voltage 試驗電壓	Insulation Resistance 絕緣電阻		Estimated Weight 概算重量		
		Structure 構成	Diameter 外徑						PVC	PE XLPE	CVV-SB	CEV-SB CCV-SB	CEE-SB CCE-SB
C	mm²	---	mm	mm	mm	mm	Ω/km	V	MΩ/km		Kg/km		
7	2.0	7/0.6	1.8	0.8	1.5	15.0	9.61	2000	50	2500	340	320	290
7	3.5	7/0.8	2.4	0.8	1.5	17.0	5.40	2000	50	2500	485	455	425
7	5.5	7/1.0	3.0	1.0	1.5	20.0	3.40	2000	50	2500	705	650	615
8	0.9	7/0.4	1.2	0.8	1.5	14.0	21.7	2000	50	2500	260	240	215
8	1.25	7/0.45	1.35	0.8	1.5	14.5	17.1	2000	50	2500	295	265	245
8	2.0	7/0.6	1.8	0.8	1.5	16.0	9.61	2000	50	2500	385	350	330
8	3.5	7/0.8	2.4	0.8	1.5	18.0	5.40	2000	50	2500	550	505	475
8	5.5	7/1.0	3.0	1.0	1.5	21.5	3.40	2000	50	2500	810	740	705
10	0.9	7/0.4	1.2	0.8	1.5	16.0	21.7	2000	50	2500	320	300	270
10	1.25	7/0.45	1.35	0.8	1.5	16.5	17.1	2000	50	2500	355	320	300
10	2.0	7/0.6	1.8	0.8	1.5	18.5	9.61	2000	50	2500	480	450	415
10	3.5	7/0.8	2.4	0.8	1.5	21.5	5.40	2000	50	2500	685	695	615
10	5.5	7/1.0	3.0	1.0	1.5	25.5	3.40	2000	50	2500	1080	960	915
12	0.9	7/0.4	1.2	0.8	1.5	16.0	21.7	2000	50	2500	360	325	295
12	1.25	7/0.45	1.35	0.8	1.5	17.0	17.1	2000	50	2500	400	365	335
12	2.0	7/0.6	1.8	0.8	1.5	18.5	9.61	2000	50	2500	535	500	470
12	3.5	7/0.8	2.4	0.8	1.5	21.0	5.40	2000	50	2500	780	725	685
12	5.5	7/1.0	3.0	1.0	1.5	26.0	3.40	2000	50	2500	1180	1100	1050
15	0.9	7/0.4	1.2	0.8	1.5	17.0	21.7	2000	50	2500	415	390	345
15	1.25	7/0.45	1.35	0.8	1.5	18.0	17.1	2000	50	2500	460	435	390
15	2.0	7/0.6	1.8	0.8	1.5	20.0	9.61	2000	50	2500	640	595	545
15	3.5	7/0.8	2.4	0.8	1.5	23.0	5.40	2000	50	2500	945	885	835
15	5.5	7/1.0	3.0	1.0	1.5	28.0	3.40	2000	50	2500	1400	1320	1250
20	0.9	7/0.4	1.2	0.8	1.5	19.0	21.7	2000	50	2500	510	460	420
20	1.25	7/0.45	1.35	0.8	1.5	20.0	17.1	2000	50	2500	580	520	485
20	2.0	7/0.6	1.8	0.8	1.5	23.0	9.61	2000	50	2500	820	740	700
20	3.5	7/0.8	2.4	0.8	1.5	26.0	5.40	2000	50	2500	1230	1130	1070
20	5.5	7/1.0	3.0	1.0	1.5	32.0	3.40	2000	50	2500	1860	1720	1640
30	0.9	7/0.4	1.2	0.8	1.5	23.0	21.7	2000	50	2500	750	675	620
30	1.25	7/0.45	1.35	0.8	1.5	24.0	17.1	2000	50	2500	830	740	690
30	2.0	7/0.6	1.8	0.8	1.5	27.0	9.61	2000	50	2500	1180	1070	1020
30	3.5	7/0.8	2.4	0.8	1.5	31.0	5.40	2000	50	2500	1820	1650	1580