

2-10 161kV 交連 PE 電纜

額定 Rating/

161kV XLPE/PVC 電纜
161kV XLPE/PVC Cable

規格 Standard/

TPC-A046

絕緣顏色 Color of insulation/

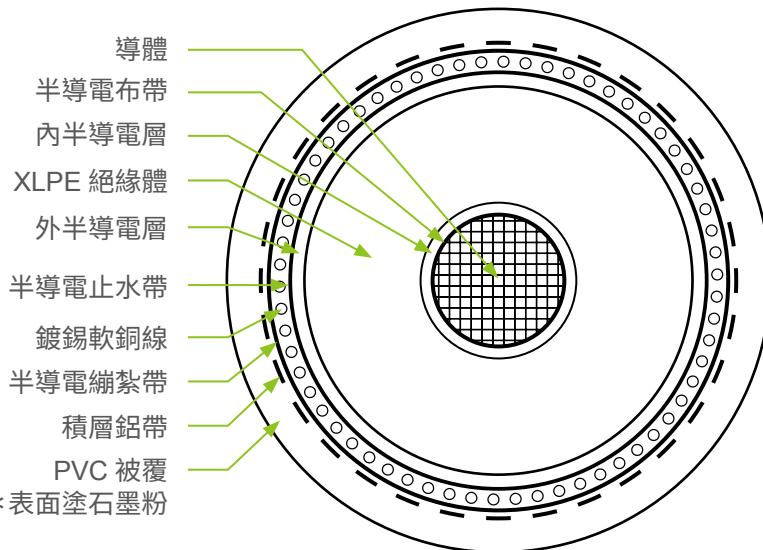
自然色 Natural color

用途 Application/

適用於 161kV 三相三線制、60Hz、中性點非有效接地之地下輸電線路，以交連聚乙烯 (Cross-linked Polyethylene) 為絕緣

體、銅線為遮蔽、聚氯乙烯 (Polyvinyl chloride) 為被覆體之單心銅導體電力電纜。

It is suitable for 161kV three-phase three-wire, 60Hz, neutral point non-effectively grounded underground transmission lines, with Cross-linked Polyethylene as the insulator, copper wire as the shield, and Polyvinyl chloride as the covering. Single core copper conductor power cable.



導體 Conductor		外徑 Outer Diameter (約) (approx.)	半導電 布帶 Semi- conducting tape (約) (approx.)	內半導 電層 Inner semiconducting layer (約) (approx.)	絕緣 厚度 Insulation of thickness (約) (approx.)	外半導 電層 outer semiconducting layer (約) (approx.)	半導電 止水帶 Semi- conducting tape (約) (approx.)	遮蔽 銅線 Concentric Shielding copper wire	繃紮帶 Binder Tape (約) (approx.)	積層 鋁帶 Laminated aluminum Tape (約) (approx.)	外被 厚度 Thickness of Sheath (約) (approx.)	完成 外徑 Overall Diameter (約) (approx.)
標稱 截面 Nominal sectional area	構成 Construction 單線數 / 單線徑 Number / Diameter of wire											
mm ²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
200	壓縮圓形	17.00	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	4.5	84.88
250	壓縮圓形	19.00	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	4.5	86.88
325	壓縮圓形	21.70	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	4.5	89.58
400	壓縮圓形	24.10	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	4.5	91.98
500	壓縮圓形	26.60	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	4.5	94.78
600	壓縮圓形	29.50	0.25	1.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.0	98.38
800	四或五分割	34.00	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.0	106.72
1000	四或五分割	38.00	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.5	111.72
1200	四或五分割	41.70	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.5	115.42
1400	四或五分割	45.00	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.5	118.72
1600	四或五分割	48.20	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	5.5	121.92
1800	四或五分割	51.00	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	6.0	125.72
2000	四或五分割	53.80	0.25	2.00	23.00	1.50	0.56	2.0±0.02	0.28	0.26	6.0	128.52

截面 Nominal Sectional area	mm ²	200	250	325	400	500	600	800	1000	1200	1400	1600	1800	2000
最大導體電阻 Conductor Resistance Max.	Ω/km	0.0933	0.0754	0.0580	0.0471	0.0376	0.0308	0.0231	0.0187	0.0156	0.0133	0.0117	0.0104	0.00933
電壓測試 (AC) Test Voltage	kV/min	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15	280/15
電壓測試 (DC) Test Voltage	kV/min	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15	395/15
最小絕緣電阻 Insulation Resistance Min.	MΩ/km	3700	3400	3200	3000	2800	2700	2400	2200	2100	2000	1900	1800	1800
被覆絕緣電阻 Insulation Resistance Min.	MΩ/km	9.5	9.2	8.9	8.7	8.4	8.2	7.6	7.4	7.1	6.9	6.7	6.5	6.4
最大靜電容量 Electrostatic Capacity Max.	μF/km	0.12	0.13	0.14	0.14	0.15	0.16	0.19	0.20	0.21	0.23	0.24	0.25	0.26