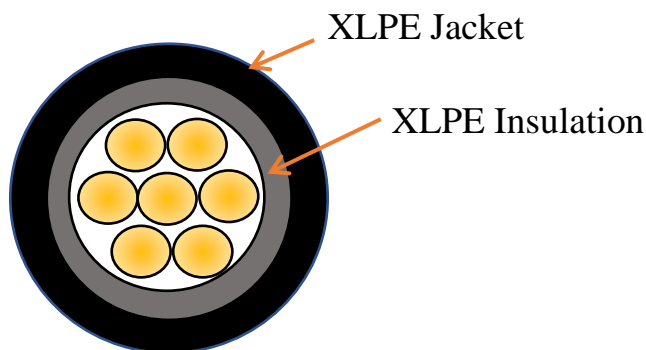


XLPE/XLPE

XLPE insulation is suitable for chlorine gas environment and high pH environment (concrete). The double insulation of XLPE provide extra protection to the cable.

Cable Size (mm ²)	Cable Diameter (mm)	Current Capacity at 40°C (Amp)	Resistance at 20°C (Ohm/Km)	Insulation Thickness: XLPE (mm)	Jacket Thickness: PVC (mm)	Nominal Cable Weight (kg/km)
10	8.8	40	1.83	0.7	1.4	159
16	9.5	55	1.15	0.8	1.4	215
25	11.0	70	0.727	0.9	1.4	310
35	12.0	85	0.524	1.0	1.4	410
50	13.5	95	0.268	1.1	1.4	540



Temperature Conversion for Conductor Resistance

$$R_1 = R_2 \frac{254.5}{234.5 + T_2}$$

$$R_3 = R_2 \frac{259.5}{234.5 + T_2}$$

Where

R_1 : Resistance at 20° C

R_2 : Measured resistance at temperature T_2

R_3 : Resistance at 25° C

Cable Size Conversion

Metric (mm ²)	Nearest Cable Size (AWG)
2	14
4	10 - 12
6	10
10	6 - 8
16	4 - 6
25	2 - 4
35	2
50	1/0