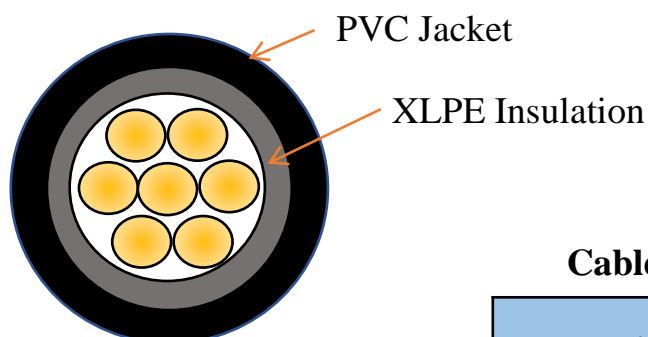


XLPE/PVC

XLPE/PVC insulation is suitable for underground and underwater application. The cable is flexible and easy to handle.

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)
6	7.3	25	3.08	0.7	1.4	122
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

R₁: Resistance at 20° C

R₂: Measured resistance at temperature T₂

R₃: 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