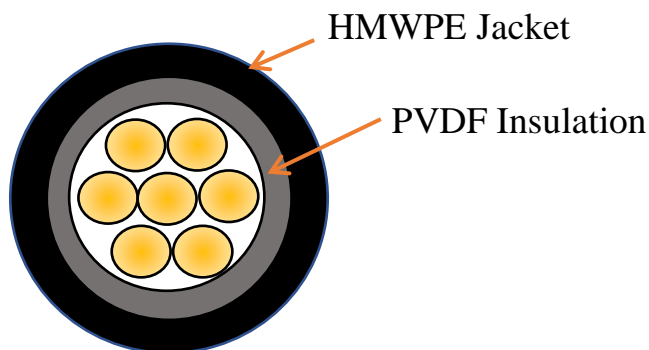


## PVDF/HMWPE (Kynar)

PVDF/HMWPE (Kynar) insulation is super durable insulation for soil, water and concrete application. This insulation provides extra longer life to the cable.

Cable Size (mm <sup>2</sup> )	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	8.3	40	1.85	0.51	1.6	148
16	9.4	53	1.25	0.51	1.6	212
25	11.7	68	0.81	1.0	1.6	340
35	12.9	82	0.564	1.0	1.6	443
50	14.4	90	0.395	1.0	1.6	599



### 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 <sup>2</sup> )	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