

Cable PVDF/HMWPE

APPLICATION

For surface and buried wiring, if protected by clean sand. Suitable for open hole deep well ground beds and anode cable tails, where H₂S or high levels of chloride ion species are, and for where oxygen and/or chlorine gases may be evolved.

PVDF/HMWPE CABLE DATA

Single core PVDF insulated/HMWPE sheathed 600/1000V

Conductors: Tinned annealed copper

Insulation: PVDF Fluoropolymer (Radiation cross linked polyvinylidene fluoride)

Sheath/Jacket: HMWPE (High molecular weight Polyolefin) to ASTM Spec D-1248

Colours: Clear/Black

Voltage: 600/1000v

Operating temperature: Maximum 150°C, minimum bending minus -15°C

Minimum bending radius: 4 x overall diameter



STANDARD CABLE SIZES, DIMENSIONS & WEIGHTS

Size (mm ²)	RT of Insulation (mm)	RT of Sheath (mm)	Nominal Overall Diameter (mm)	Weight (kg/km)
6	1.0	1.65	7.6	97
10	1.0	1.65	8.6	144
16	1.0	1.65	9.6	206
25	1.2	1.65	10.9	305
35	1.2	1.65	12.2	405
50	1.4	1.65	13.5	532

Cable sizes are nominal and may vary according to different manufacturer's tolerances

NOTE: The Polyolefin sheath protects the PVDF insulation from damage during installation. The HMWPE sheath will deteriorate under aggressive environmental conditions, leaving the PVDF to withstand the surrounding media.