



CABLE PVDF/HMWPE



REVISION 1

APPLICATION

Surface wiring & buried if protected by clean sand. Suitable for open hole deep well groundbeds and anode cable tails where H₂S and high levels of chloride ion species and 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 : 10m x OD of cable

STANDARD CABLE SIZES DIMENSIONS AND WEIGHTS

Size mm ²	Maximum Dia of Conductor mm	RT of Insulation mm	Dia over Core mm	RT of sheath mm	Nominal Overall Dia mm	Weight Kg/km
6	3.12	1.0	5.12	1.65	8.42	96
10	4.05	1.0	6.05	1.65	9.35	135
16	5.10	1.0	7.10	1.65	10.40	197
25	6.40	1.2	8.80	1.65	12.10	312
35	7.50	1.2	9.90	1.65	13.20	398
50	8.90	1.4	11.70	1.65	15.00	541

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.