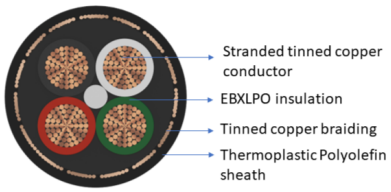
POLYCAB HYDRO, Type LSXLPO class B strands
POWER CABLE, IEEE 1580 0.6/1KV or 2KV



Images not to scale. Follow table for dimensions

APPLICATION

POLYCAB HYDRO cables are designed to use in corrosive environments like Off-Shore & On-Shore oil rigs, Petrochemicals etc on class 1 Remote control Signalling Circuits up to 2 kV. These cables can be used in wet and dry area either indoor or Outdoor location in cable trays or in raceways supported by a messenger wire. These cables can be installed in direct burial as well as in hazardous location.

CHARACTERISTICS

Voltage Rating
0.6/1 kV or 2kV

Operation Temperature
From -40°C to 90° C

CONSTRUCTION

- Class B concentric stranded tinned copper wire
- Insulated with Low Smoke Halogen Free XLPO (Type LSX), as per IEEE 1580
- Sheathed with Thermoplastic Polyolefin (Type TPO) Colour: Black
- Annealed Tinned Copper wire braiding (Optional) as per IEEE 1580
- Sheathed with Thermoplastic Polyolefin (Type TPO) (Optional) Colour: Black

Core Identification
As per IEEE 1580 (Table 23)

Bending Radius
Fixed installation 12 x Overall diameter
Occasional 8 x Overall diameter

OUTSTANDING FEATURES

- Heat resistant
- Flame retardant
- Oil resistant
- Low temperature resistant

STANDARD FOLLOWS

IEEE 1580
ASTM B33
IEEE 45
UL 1309

COMPLIANCE

Conductor resistance	IEEE 1580
Insulation resistance	IEEE 1580
Flame Retardant	IEEE 1202
Halogen Content	IEC 60754-1
Cold bend/Impact	CSA 22.2
Fire resistant (Optional)	IEC 60331-1/2/21

Test Voltage

250 – 525 kcmil	9.5 kV

OUR ACCREDITATIONS

NABL

POLYCAB HYDRO, Type LSXLPO class B strands
POWER CABLE, IEEE 1580 0.6/1KV or 2KV

POLYCAB
IDEAS. CONNECTED.

Dimensional and Electrical characteristics:

Conductor		UNARMOURED				ARMOURED				ARMOURED AND SHEATHED				Ampacity
		Nominal OD		Weight		Nominal OD		Weight		Nominal OD		Weight		
No. of Core	Size (AWG)	Inches	mm	Lbs/Mft	kg/km	Inches	mm	Lbs/Mft	kg/km	Inches	mm	Lbs/Mft	kg/km	Ampere
3	250	1.794	45.5	2990	4450	1.858	47.1	3349	4984	2.082	52.8	3836	5708	259
3	300	1.869	47.4	3451	5135	1.933	49.1	3824	5691	2.157	54.8	4329	6443	290
3	350	1.979	50.2	3963	5897	2.043	51.9	4359	6486	2.267	57.5	4891	7278	317

Above values are approximate and subject to standard manufacturing tolerance
*Ampacity based on ambient temperature 45° C as per IEEE 45