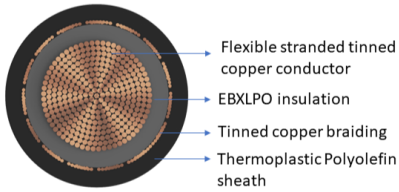
POLYCAB HYDRO, Type LSXLPO
POWER CABLE, IEEE 1580 0.6/1KV or 2KV



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 up to the voltage 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

- Flexible stranded tinned copper conductor
- Insulated with Low Smoke Halogen Free XLPO (Type LSX), as per IEEE 1580
- 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

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
14 – 9 AWG 5.5 kV
8 – 2 AWG 7 kV
1 - 4/0 AWG 8 kV
250 – 525 kcmil 9.5 kV

OUR ACCREDITATIONS

NABL

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POWER CABLE, IEEE 1580 0.6/1KV or 2KV

POLYCAB
IDEAS. CONNECTED.

Dimensional and Electrical Characteristics:

Conductor		UNARMOURED				ARMOURED AND SHEATHED				*Ampacity
		Nominal OD		Weight		Nominal OD		Weight		
No. of Core	Size (AWG)	Inches	mm	Lbs/Mft	kg/km	Inches	mm	Lbs/Mft	kg/km	Ampere
1	14	0.262	6.1	45	67	0.409	10.4	128	123	34
1	12	0.281	6.6	56	84	0.428	10.9	141	139	43
1	10	0.309	7.3	75	112	0.456	11.6	168	166	54
1	8	0.352	8.7	104	154	0.499	12.7	208	207	68
1	6	0.412	9.7	146	217	0.559	14.2	276	266	88
1	4	0.461	11.9	204	303	0.608	15.4	376	338	118
1	2	0.528	13.1	293	435	0.707	17.9	457	471	156
1	1	0.587	15.8	368	548	0.766	19.4	638	565	180
1	1/0	0.633	17	450	670	0.811	20.6	739	661	207
1	2/0	0.675	18.2	533	793	0.854	21.7	867	758	240
1	3/0	0.735	19.8	663	986	0.914	23.2	1001	907	278
1	4/0	0.800	22.6	820	1220	1.018	25.8	1236	1129	324
1	262	0.981	24.6	1074	1599	1.134	28.8	1445	1357	378

The above data subjected to normal manufacturing tolerance. Cable OD and weight are nominal, subjected to industry tolerance.
*Ampacity based on ambient temperature 45° C as per IEEE 45