

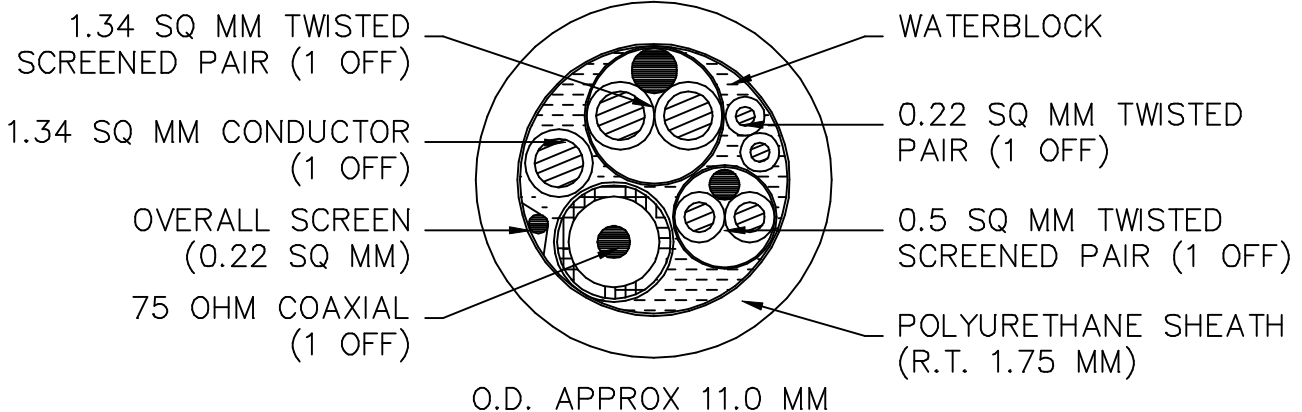
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HYDROCABLE
 SYSTEMS

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Data Sheet



1.0 DESCRIPTION : ONE TWISTED SCREENED PAIR (1.34 SQ MM) + ONE TWISTED SCREENED PAIR (0.5 SQ MM) + ONE TWISTED PAIR (0.22 SQ MM) + ONE COAXIAL (75 OHM) + ONE CORE (1.34 SQ MM) + WATERBLOCK COMPOUND + OVERALL SCREEN (0.22 SQ MM)

2.0 CONSTRUCTION : T.S.P. (1.34 SQ MM) : 2 cores (1.34 sq mm, 19/0.3, Medium Density Polyethylene Insul.) + one 1.0 sq mm drain wire (32/0.2) are twisted together and bound in a wrap of aluminium/polyester tape. A wrap of polyester tape is then applied.

T.S.P. (0.5 SQ MM) : 2 cores (0.5 sq mm, 16/0.2, Medium Density Polyethylene Insul.) + one 0.5 sq mm drain wire (16/0.2) are twisted together and bound in a wrap of aluminium/polyester tape. A wrap of polyester tape is then applied.

T.P. (0.22 SQ MM) : 2 cores (0.22 sq mm, 7/0.2, Medium Density Polyethylene Insul.) are twisted together.

One twisted screened pair (1.34 sq mm) + one twisted screened pair (0.5 sq mm) + one twisted pair (0.22 sq mm) + one coaxial (75 ohm) + one core (1.34 sq mm, 19/0.3, Medium Density Polyethylene Insul.) are twisted together with waterblock filling all of the interstices and then bound in a double wrap of polyester tape. A 0.22 sq mm drain wire (7/0.2) is then twisted around the bundle and bound in a wrap of aluminium/polyester tape. A wrap of polyester tape is then applied. A Polyurethane sheath is then extruded over the tape to the finished diameter of 11.0 mm (Radial thickness 1.75 mm).

3.0 PHYSICAL DETAILS : (Approx)

Overall diameter of cable	Ø11.0 mm	Min. recommended bend radius :	
Laid up diameter of cable	Ø7.5 mm	Static	165 mm
Radial thickness of PUR sheath	1.75 mm	Dynamic	220 mm
Weight of cable in air	153.82 kg/km	Max. continuous length	1300 metres
Weight of cable in seawater	56.31 kg/km		

4.0 ELECTRICAL CHARACTERISTICS :	0.22 sq mm	0.5 sq mm	1.34 sq mm
Max. conductor resistance	92.4 ohms/km	40.1 ohms/km	14.59 ohms/km
Spark test voltage	3 kV	4 kV	4 kV
Working voltage	250 volts	250 volts	500 volts
Insulation resistance core to core	>500 Megohms		
Insulation resistance core to shield	>100 Megohms		
Insulation resistance shield to shield	>10 Megohms		
Characteristic impedance of coaxial	75 ohms		

D.R.F. No. = 824
 REFERENCE TO DS 390

PRESSURE RATING ≤ 2000 PSI

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