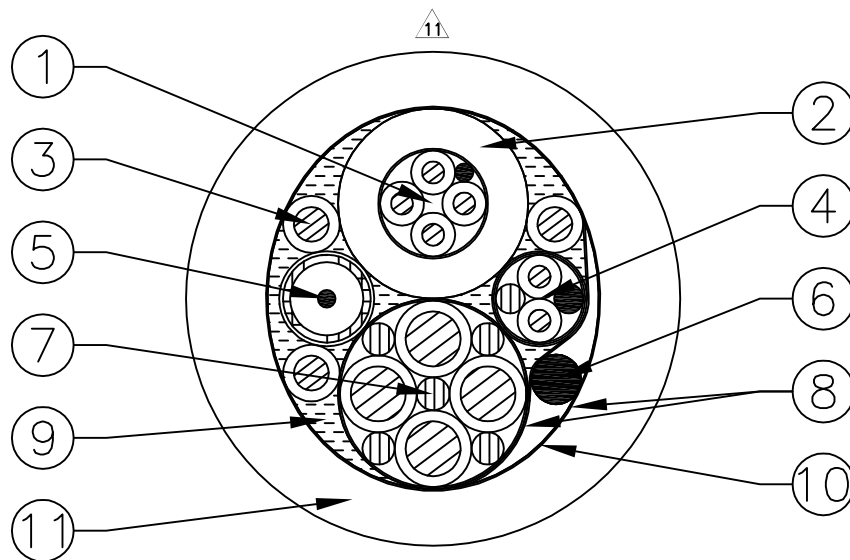


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CABLE ATTRIBUTES	APPROX.
OVERALL DIAMETER	13.5 mm
RADIAL THICKNESS OF POLYURETHANE OUTER SHEATH	1.5 mm
LAI D UP DIAMETER OF CABLE	10.5 mm
WEIGHT OF CABLE IN AIR (APPROX.)	224 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	78 kg/km
WEIGHT OF CABLE IN FRESH WATER (APPROX.)	81 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 50 °C
MAXIMUM CONDUCTOR TEMPERATURE	60 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	108 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	162 mm
MAXIMUM CONTINUOUS LENGTH	400 m
MAXIMUM WORKING PRESSURE	2000 PSI

ITEM	QTY.	DESCRIPTION
1	1	0.22 mm <sup>2</sup> TWISTED SCREENED QUAD (M.D.P.E. INSULATION)
2	A/R	PVC FILLER JACKET (R.T. 1.1 mm)
3	3	0.5 mm <sup>2</sup> TINNED COPPER CONDUCTOR (M.D.P.E. INSULATION)
4	1	0.22 mm <sup>2</sup> TWISTED SCREENED PAIR (M.D.P.E. INSULATION)
5	1	75 Ω RG179 COAXIAL
6	1	1.0 mm <sup>2</sup> TINNED COPPER DRAIN WIRE
7	1	1.34 mm <sup>2</sup> TWISTED SCREENED QUAD (M.D.P.E. INSULATION)
8	A/R	POLYESTER TAPE
9	A/R	WATER BLOCKING COMPOUND
10	A/R	ALUMINIUM / POLYESTER TAPE
11	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 13.5 mm ±0.5 mm

#### DESCRIPTION :

1 JACKETED TWISTED SCREENED QUAD (0.22 mm<sup>2</sup>, MEDIUM DENSITY POLYETHYLENE INSULATION) + 3 TINNED COPPER CONDUCTORS (0.5 mm<sup>2</sup>, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 COAXIAL (75 Ω RG179) + 1 TWISTED SCREENED PAIR (0.22 mm<sup>2</sup>, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 TWISTED QUAD (1.34 mm<sup>2</sup>, MEDIUM DENSITY POLYETHYLENE INSULATION) + WATER BLOCKING COMPOUND + OVERALL SCREEN + POLYURETHANE SHEATH (R.T. 1.5 mm)

	11	11	11
ELECTRICAL CHARACTERISTICS	1.34 mm <sup>2</sup>	0.5 mm <sup>2</sup>	0.22 mm <sup>2</sup>
MAX CONDUCTOR RESISTANCE @ 20°C	15.17 Ω/km	40.68 Ω/km	94.08 Ω/km
VOLTAGE RATING U <sub>0</sub> /U(U <sub>m</sub> )	90 V	300 V	440 V
ROUTINE TEST VOLTAGE	750 V AC/ 1.5 kV DC	1.0 kV AC/ 2.0 kV DC	1.35 kV AC/ 1.91 kV DC
TEST VOLTAGE DURATION	1 MINUTE	1 MINUTE	5 MINUTES
AC SPARK TEST VOLTAGE	5 kV	5 kV	5 kV
CURRENT RATING @ 35°C	11	6 A	SIGNAL ONLY
CONDUCTOR INSULATION RESISTANCE 15-35 °C @ 500 V DC	> 1000 MΩ/km	> 1000 MΩ/km	> 100 MΩ/km
CHARACTERISTIC IMPEDANCE OF COAXIAL	75 Ω		

				"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE				HYDROCABLE SYSTEMS Ltd			
				CUSTOMER ISSUE NOTIFICATION:- NO				HYDRO HOUSE, CLAYMORE AVENUE, ABERDEEN ENERGY PARK, BRIDGE OF DON, ABERDEEN, SCOTLAND, AB23 8GW			
				CUSTOMER NAME. N/A				TEL: +44 (0)1224 706611 FAX: +44 (0)1224 706066			
				CUSTOMER REF. No. N/A				e-mail: sales@hydrohouse.co.uk			
				REFERENCE DOCUMENTATION				web site: http://www.hydrogroup.plc.uk			
				DS 622				TITLE 1 T.S.Q. (0.22mm <sup>2</sup> ) + 3 CORES (0.5mm <sup>2</sup> )			
				JOB No. 06/8913				+ 1 COAX + 1 T.S.P. (0.22mm <sup>2</sup> ) + 1 T.S.Q. (1.34 mm <sup>2</sup> ) + POLYURETHANE SHEATH			
11	9260	DRAIN WIRE MOVE OUT OF BUNDLE	S.M.	28.08.14	B.M.	R.Z.	ACTIVE				
10	5330	MANUFACTURING RECORDS UPDATED	C.F.	23.09.09	-	D.H.					
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS	DRG. No.	CS 0410	SHEET 01	ISSUE 11
										OF 04	