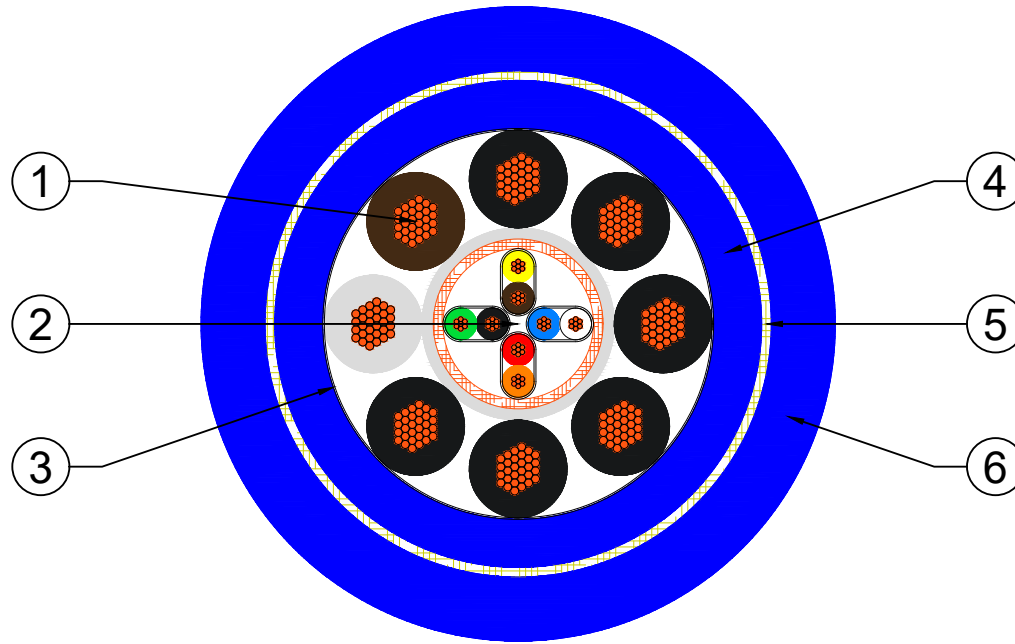


THIS DRAWING IS THE PROPERTY AND COPYRIGHT OF HYDROCABLE SYSTEMS LTD AND THE INFORMATION CONTAINED THEREIN MAY NOT BE USED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF HYDROCABLE SYSTEMS LTD

CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	19.8 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	2.0 mm
NOMINAL DIAMETER OVER BRAID	15.8 mm
NOMINAL DIAMETER OVER BEDDING SHEATH	15.2 mm
NOMINAL RADIAL THICKNESS OF BEDDING SHEATH	1.5 mm
NOMINAL LAID UP DIAMETER OF CABLE	12.2 mm
WEIGHT OF CABLE IN AIR (APPROX.)	398 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	82 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	90 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 60 °C
MAXIMUM CONDUCTOR TEMPERATURE	70 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	178 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	257 mm
MAXIMUM CONTINUOUS LENGTH	900 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	8	1.5 mm <sup>2</sup> X.L.P.E. INSULATED, CLASS 5 TINNED COPPER CONDUCTOR
2	1	CAT 7 S/F.T.P. COMPONENT
3	A/R	POLYESTER TAPE
4	A/R	HIGH SHORE HARDNESS POLYURETHANE BEDDING SHEATH (R.T. 1.5 mm)
5	A/R	VECTRAN FIBRE BRAID (M.B.L. 567 kg.f)
6	A/R	POLYURETHANE SHEATH (R.T. 2.0 mm)



O.D. 19.8 mm ±0.5 mm


DESCRIPTION :

8 CORES (1.5 mm<sup>2</sup>, CLASS 5 TINNED COPPER, CROSS LINKED POLYETHYLENE INSULATION) + 1 CAT 7 S/F.T.P. COMPONENT + HIGH SHORE HARDNESS POLYURETHANE BEDDING SHEATH (RADIAL THICKNESS 1.5 mm) + VECTRAN FIBRE BRAIDED STRENGTH MEMBER (MINIMUM BREAK LOAD 567 kg.f) + POLYURETHANE SHEATH (RADIAL THICKNESS 2.0 mm)

ELECTRICAL CHARACTERISTICS	
CORE CROSS SECTIONAL AREA	1.5 mm <sup>2</sup>
MAX CONDUCTOR RESISTANCE @ 20°C	13.7 Ω/km
VOLTAGE RATING U <sub>0</sub> /U <sub>m</sub>	0.6/1.0 (1.2) kV AC
ROUTINE TEST VOLTAGE	3.5 kV AC/ 8.4 kV DC
VOLTAGE TEST DURATION	5 MINUTES
AC SPARK TEST VOLTAGE	6 kV
CURRENT RATING IN FREE AIR @ 30°C	10 A
INSULATION RESISTANCE 20°C @ 500 V DC	> 1002 MΩ.km

ELECTRICAL CHARACTERISTICS	CAT 7
LOOP RESISTANCE @ 20°C	265 Ω
MUTUAL CAPACITANCE	46 pF/m
CHARACTERISTIC IMPEDANCE	100 Ω ± 15 Ω
TRANSFER IMPEDANCE	10 mΩ/m
UNBALANCED ATTENUATION (1-600 MHz)	>40 dB
VELOCITY OF PROPAGATION	76 %
ATTENUATION @ 100 MHz	2.58 dB/10m
ATTENUATION @ 1000 MHz	8.6 dB/10m

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN IS FOR GENERAL PRESENTATION PURPOSES ONLY. COLOUR, DATA AND DIMENSIONS ARE NOT VERIFIED UNLESS OTHERWISE STATED AND ARE SUBJECT TO CHANGE FOLLOWING COMPLETION OF DETAILED DESIGN AND CONFIRMATION OF APPLICATION REQUIREMENTS

				"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE		 <b>HYDROCABLE SYSTEMS Ltd</b> HYDRO HOUSE, CLAYMORE AVENUE, ABERDEEN ENERGY PARK, BRIDGE OF DON, ABERDEEN, SCOTLAND, AB23 8GW TEL: +44 (0)1224 825050 FAX: +44 (0)1224 825142 e-mail: sales@hydrogroup.plc.uk web site: http://www.hydrogroupplc.com	<b>TITLE</b> 8 CORES (1.5 mm <sup>2</sup> ) + 1 CAT 7 S/F.T.P. + H.S.H. PUR BEDDING + VECTRAN (M.B.L. 567 kg.f) + PUR SHEATH					
				CUSTOMER ISSUE NOTIFICATION:- NO								
				CUSTOMER NAME. N/A								
				CUSTOMER REF. No. N/A								
				REFERENCE DOCUMENTATION								
				ENQ No. 36919								
A	12986	FIRST ISSUE - ENQUIRY	S.M.	20.09.18	I.S.	R.Z.	DRG. STATUS	ACTIVE	DRG. No.	CS 7318	SHT 01	ISSUE A
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD					OF 01	