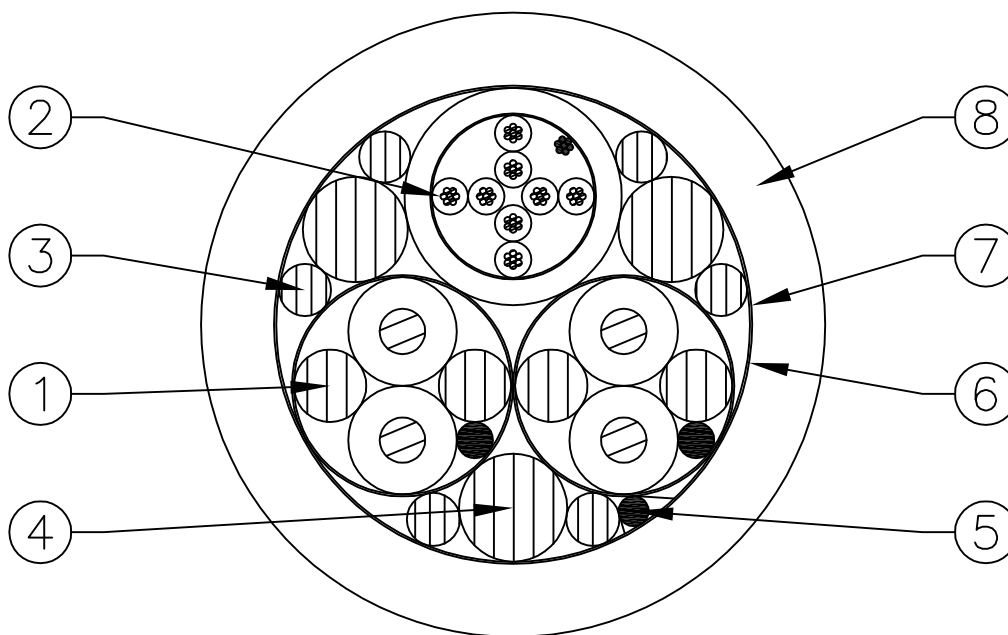


THIS DRAWING IS THE PROPERTY AND COPYRIGHT OF HYDROCABLE SYSTEMS LTD AND THE INFORMATION CONTAINED THEREIN MAY NOT BE USED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF HYDROCABLE SYSTEMS LTD

CABLE ATTRIBUTES	APPROX.
OVERALL DIAMETER	15.8 mm
RADIAL THICKNESS OF OUTER SHEATH	1.5 mm
LAI D UP DIAMETER OF CABLE	12.8 mm
WEIGHT OF CABLE IN AIR (APPROX.)	255 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	75 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 50 °C
MAXIMUM CONDUCTOR TEMPERATURE	60 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	127 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	190 mm
MAXIMUM CONTINUOUS LENGTH	450 m
MAXIMUM WORKING PRESSURE	1650 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	2	0.75 mm ² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
2	1	CAT 5E FTP CABLE
3	6	1.85 mm DIAMETER FILLER (POLYPROPYLENE MATERIAL)
4	3	3.0 mm DIAMETER FILLER (P.V.C. MATERIAL)
5	1	0.5 mm ² TINNED COPPER DRAIN WIRE (16/0.2 STRANDING)
6	A/R	POLYESTER TAPE
7	A/R	ALUMINIUM/ POLYESTER TAPE
8	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 15.8 mm ±0.5 mm

DESCRIPTION :

2 TWISTED SCREENED PAIRS (0.75 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + ONE STRANDED CORE CAT 5E CABLE + OVERALL SCREEN + POLYURETHANE SHEATH (R.T. 1.5 mm)

ELECTRICAL CHARACTERISTICS	0.75 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	26.7 Ω/km
VOLTAGE RATING	500 V AC
ROUTINE TEST VOLTAGE	2 kV AC/ 3 kV DC
TEST VOLTAGE DURATION	1 MINUTE
AC SPARK TEST VOLTAGE	7 kV
CURRENT RATING @ 35°C	9 A
INSULATION RESISTANCE 15-35°C @ 500 V DC	> 1000 MΩ/km

ELECTRICAL CHARACTERISTICS	CAT 5E FTP CABLE
MAX CONDUCTOR RESISTANCE @ 20°C	14.07 Ω/100m
MAX CAPACITANCE UNBALANCE	3.3 pF/m
MAX MUTUAL CAPACITANCE	56 pF/m
IMPEDANCE (722 kHz)	102 Ω ±15%
IMPEDANCE (1-250 MHz)	100 Ω ±15%
ATTENUATION @ 10 MHz	9.9 dB/100m
ATTENUATION @ 100 MHz	33.0 dB/100m

"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE					
CUSTOMER ISSUE NOTIFICATION:- NO					
CUSTOMER NAME. N/A					
CUSTOMER REF. No. N/A					
REFERENCE DOCUMENTATION					
05	9929	NEW TEMPLATE, UPDATE DESIGN	I.S.	23.04.15	S.M. A.S.
04	7438	PERFORMANCE RECORDS UPDATED	C.F.	06.12.11	M.G. A.S.
03	5454	PERFORMANCE RECORDS UPDATED	M.G.	12.03.09	I.S. D.H.
02	5443	GENERAL UPISSUE	M.G.	03.03.09	I.S. C.G.
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD APPD

HYDROCABLE SYSTEMS Ltd	
HYDRO HOUSE, CLAYMORE AVENUE, ABERDEEN ENERGY PARK, BRIDGE OF DON, ABERDEEN, SCOTLAND, AB23 8GW	
TEL: +44 (0)1224 706611 FAX: +44 (0)1224 706066	
e-mail: sales@hydrohouse.co.uk	
web site: http://www.hydrogroup.plc.uk	
TITLE	2 T.S.P. S (0.75 mm ²) + ONE CAT 5E FTP CABLE + O/A SCREEN + P/U SHEATH
DRG. No.	CS 2080
STATUS	ACTIVE
SHEET 01	ISSUE 05
OF 04	