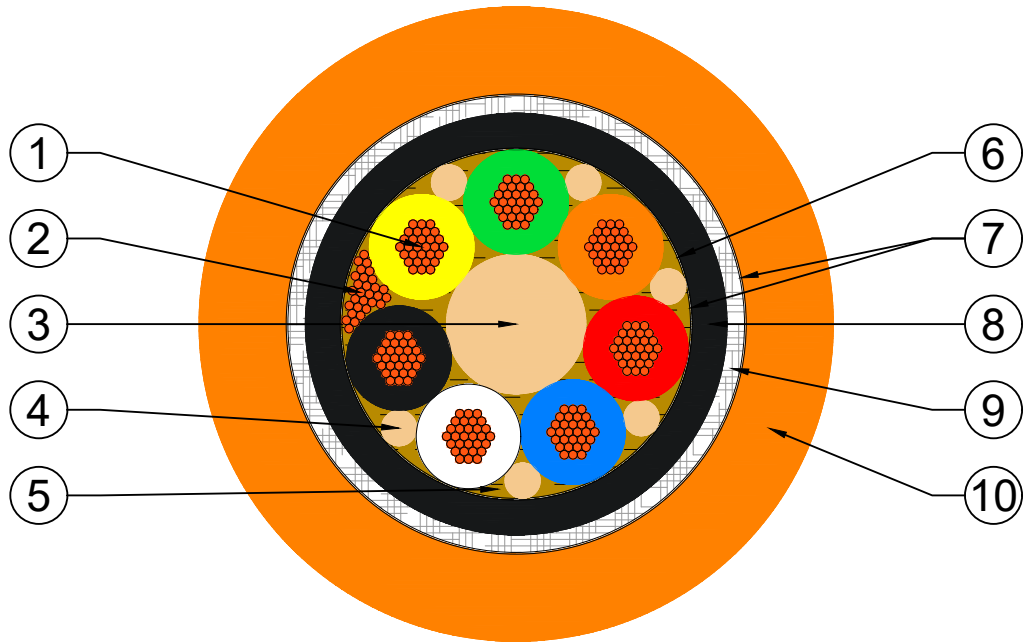


THIS DRAWING IS THE PROPERTY AND COPYRIGHT OF HYDROCABLE SYSTEMS LTD AND THE INFORMATION CONTAINED THEREIN MAY NOT BE USED OR DISCLOSED TO A THIRD PARTY WITHOUT THE WRITTEN PERMISSION OF HYDROCABLE SYSTEMS LTD

CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	18.2 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	2.5 mm
NOMINAL DIAMETER OVER BRAID	13.2 mm
NOMINAL DIAMETER OVER INNER SHEATH	12.1 mm
NOMINAL RADIAL THICKNESS OF INNER SHEATH	1.0 mm
NOMINAL LAID UP DIAMETER OF CABLE	10.1 mm
WEIGHT OF CABLE IN AIR (APPROX.)	440 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	165 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	172 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 80 °C
MAXIMUM CONDUCTOR TEMPERATURE	90 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	182 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	273 mm
MAXIMUM CONTINUOUS LENGTH	1000 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	7	1.5 mm ² X.L.P.E. INSULATED CONDUCTOR
2	1	1.5 mm ² DRAIN WIRE
3	1	4.0 mm DIAMETER P.V.C. FILLER
4	6	1.0 mm DIAMETER NYLON FILLER
5	A/R	WATER BLOCKING COMPOUND
6	A/R	ALUMINIUM / POLYESTER TAPE
7	A/R	POLYESTER TAPE
8	A/R	POLYURETHANE INNER SHEATH (R.T. 1.0 mm)
9	A/R	GALVANISED STEEL WIRE BRAID
10	A/R	POLYURETHANE SHEATH (R.T. 2.5 mm)



O.D. 18.2 mm ±0.5 mm

DESCRIPTION :

7 CORES (1.5 mm², CLASS 5 STRANDED TINNED COPPER, CROSS LINKED POLYETHYLENE INSULATION) + COLLECTIVE SCREEN (ALUMINIUM TAPE + 1.5 mm², CLASS 5 STRANDED TINNED COPPER DRAIN WIRE) + WATER BLOCKING COMPOUND + POLYURETHANE INNER SHEATH (RADIAL THICKNESS 1.0 mm) + GALVANISED STEEL WIRE BRAID + POLYURETHANE SHEATH (RADIAL THICKNESS 2.5 mm)

ELECTRICAL CHARACTERISTICS	
CORE CROSS SECTIONAL AREA	1.5 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	13.7 Ω/km
VOLTAGE RATING U ₀ /U _i (U _m)	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	18 A
INSULATION RESISTANCE 20°C @ 500 V DC	> 1002 MΩ.km

				"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE			
				CUSTOMER ISSUE NOTIFICATION:- NO			
				CUSTOMER NAME:- N/A			
				CUSTOMER REF. No.:- N/A			
10	13529	BRAIDER SETTINGS REVIEW	S.M.	25.07.19	S.D.	R.Z.	REFERENCE DOCUMENTATION
09	8987	PRODUCTION RECORDS UPDATE	S.K.	17.04.14	I.S.	S.M.	
08	6137	WATER BLOCK MATERIAL ADDED TO SETTINGS	S.M.G.	20.04.10	I.S.	D.H.	
07	5454	PRODUCTION RECORDS UPDATE	M.G.	11.03.19	I.S.	D.H.	DRG. STATUS
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 825050 FAX: +44 (0)1224 825142
 e-mail: sales@hydrogroup.plc.uk
 web site: http://www.hydrogroupplc.com

TITLE	7 CORES (1.5 mm ²) + SCREEN + W/B + PUR INNER + G.S.W.B. + PUR SHEATH
DRG. No.	CS 1235
SHT 01 OF 06	ISSUE 10

ACTIVE

DRG. No. **CS 1235**

SHT 01 OF 06 ISSUE 10