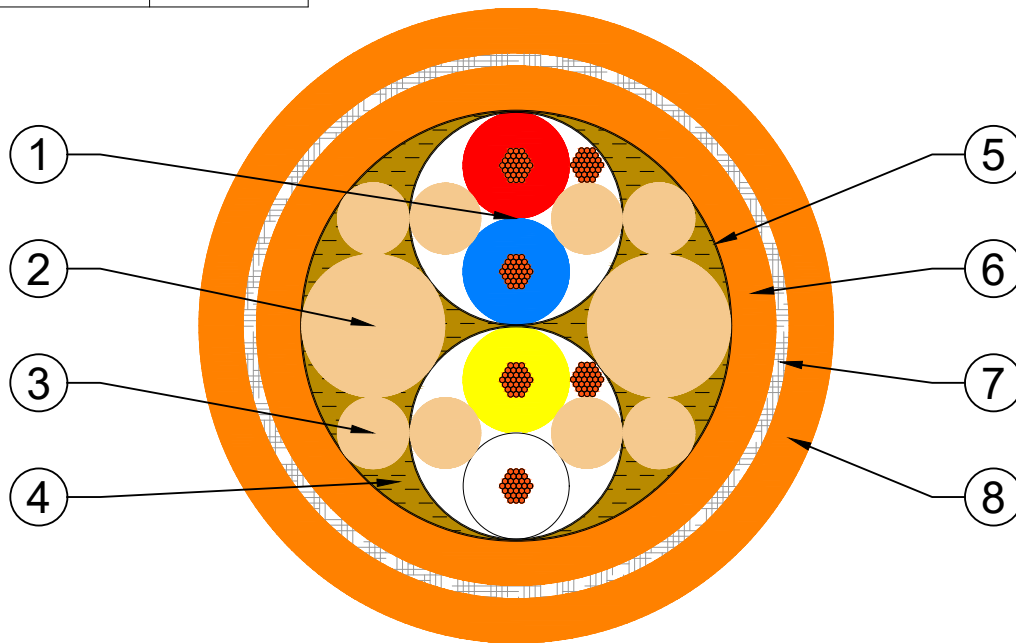


CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	28.7 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	2.0 mm
NOMINAL DIAMETER OVER BRAID	24.7 mm
NOMINAL DIAMETER OVER BEDDING SHEATH	23.5 mm
NOMINAL RADIAL THICKNESS OF BEDDING SHEATH	2.0 mm
NOMINAL LAID UP DIAMETER OF CABLE	19.5 mm
WEIGHT OF CABLE IN AIR (APPROX.)	927 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	254 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	271 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 80 °C
MAXIMUM CONDUCTOR TEMPERATURE	90 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	287 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	431 mm
MAXIMUM CONTINUOUS LENGTH	300 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	3000 PSI

ITEM	QTY.	DESCRIPTION
1	2	1.5 mm ² E.P.R. INSULATED, TWISTED SCREENED PAIR
2	2	6.5 mm DIAMETER P.V.C. FILLER
3	4	3.5 mm DIAMETER P.V.C. FILLER
4	A/R	WATER BLOCKING COMPOUND
5	A/R	POLYESTER TAPE
6	A/R	POLYURETHANE BEDDING SHEATH (R.T. 2.0 mm)
7	A/R	GALVANISED STEEL WIRE BRAID
8	A/R	POLYURETHANE SHEATH (R.T. 2.0 mm)



O.D. 28.7 mm ±1.0 mm

DESCRIPTION :

2 TWISTED SCREENED PAIRS (1.5 mm², CLASS 5 STRANDED TINNED COPPER, ETHYLENE PROPYLENE RUBBER INSULATION, ALUMINIUM TAPE + 1.5 mm², CLASS 5 STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + WATER BLOCKING COMPOUND + POLYURETHANE BEDDING SHEATH (RADIAL THICKNESS 2.0 mm) + GALVANISED STEEL WIRE BRAID + POLYURETHANE SHEATH (RADIAL THICKNESS 2.0 mm)

AKER SPECIFICATION :

CABLE MEETS THE REQUIREMENTS OF AKER SOLUTIONS SPECIFICATION 16-080585-04 WITH THE FOLLOWING EXCEPTIONS:

ATTENUATION: T.B.C.
 MAXIMUM AXIAL LOAD: NOT RECOMMENDED FOR ANY TENSILE LOADS
 CABLE WEIGHTS: WEIGHTS DO NOT MATCH REQUESTED VALUE

ELECTRICAL CHARACTERISTICS

CORE CROSS SECTIONAL AREA	1.5 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	13.7 Ω/km
VOLTAGE RATING	1600 V
AC SPARK TEST VOLTAGE	15 kV
CURRENT RATING IN FREE AIR @ 30°C	25 A
INSULATION RESISTANCE CORE TO CORE 20°C @ 500 V DC	> 500 MΩ.km
INSULATION RESISTANCE CORE TO SHIELD 20°C @ 500 V DC	> 500 MΩ.km
INSULATION RESISTANCE SHIELD TO SHIELD 20°C @ 500 V DC	> 10 MΩ.km

19	13426	FILLER AND BRAID REVIEW	S.M.	10.04.19	I.S.	R.Z.	"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE
18	11213	WEIGHT CONFIRMATION	S.M.	20.09.16	I.S.	D.H.	
17	10595	PRESSURE RATING CONFIRMATION	S.M.	14.01.16	I.S.	A.S.	CUSTOMER ISSUE NOTIFICATION:- NO
16	8695	ADD REFERENCE TO AKER SPEC	I.S.	22.10.13	M.G.	D.B.	CUSTOMER NAME. N/A
15	7474	NEW TEMPLATE, MACHINE SETTINGS	I.S.	21.12.11	C.F.	D.B.	CUSTOMER REF. No. N/A
14	5486	AMEND WEIGHT IN AIR	M.G.	27.03.09	I.S.	I.S.	REFERENCE DOCUMENTATION
13	5093	ADD MACHINERY SETTINGS	C.F.	05.07.09	M.Y.	M.Y.	
12	2266	AMEND TYPING ERRORS	I.S.	30.11.06	M.D.	M.D.	
11	2076	AMEND MAX CONTINUOUS LENGTH	I.S.	30.09.05	R.M.	R.M.	
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS

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
 2 T.S.P. S (1.5 mm²) + W/B
 + POLYURETHANE BEDDING +
 G.S.W.B. + POLYURETHANE SHEATH

LEGACY

DRG. No. **CS 755**

SHT 01 OF 06 ISSUE 19