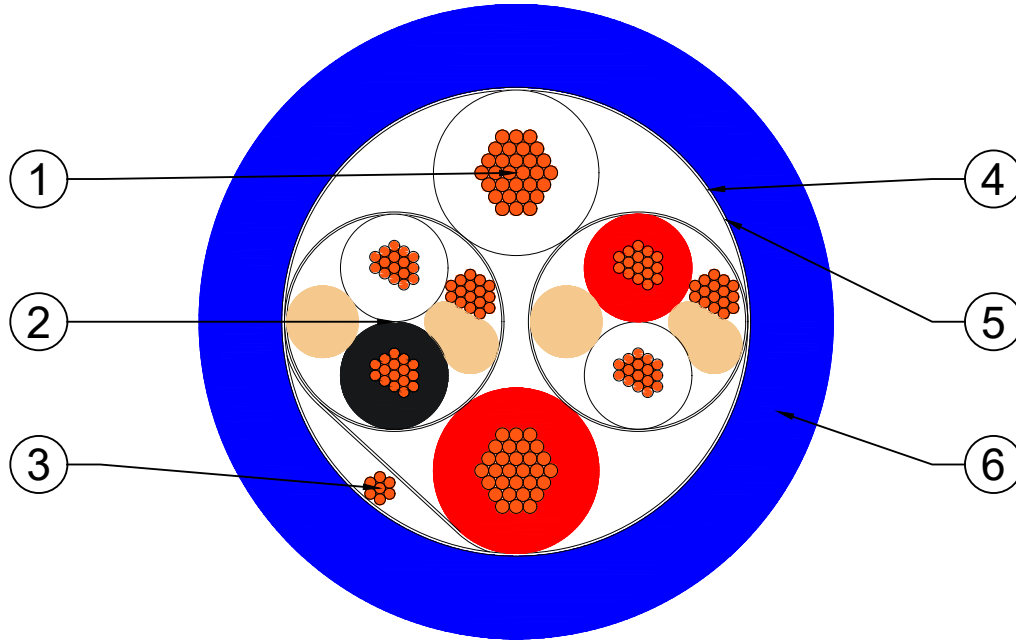


CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	11.5 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	1.5 mm
NOMINAL LAID UP DIAMETER OF CABLE	8.5 mm
WEIGHT OF CABLE IN AIR (APPROX.)	156 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	48 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	51 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 60 °C
MAXIMUM CONDUCTOR TEMPERATURE	70 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	92 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	138 mm
MAXIMUM CONTINUOUS LENGTH	1800 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	2	1.5 mm ² M.D.P.E. INSULATED CONDUCTOR
2	2	0.5 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR
3	1	0.22 mm ² M.D.P.E. DRAIN WIRE
4	A/R	POLYESTER TAPE
5	A/R	ALUMINIUM / POLYESTER TAPE
6	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 11.5 mm ±0.5 mm

DESCRIPTION :

2 CORES (1.5 mm², CLASS 5 STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 2 TWISTED SCREENED PAIRS (0.5 mm², CLASS 5 STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 0.5 mm², CLASS 5 STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + COLLECTIVE SCREEN (ALUMINIUM TAPE + 0.22 mm², CLASS 5 STRANDED TINNED COPPER DRAIN WIRE) + POLYURETHANE SHEATH (RADIAL THICKNESS 1.5 mm)

ELECTRICAL CHARACTERISTICS		
CORE CROSS SECTIONAL AREA	1.5 mm ²	0.5 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	13.7 Ω/km	40.1 Ω/km
VOLTAGE RATING	500 V AC	500 V AC
ROUTINE TEST VOLTAGE	2.0 kV AC/ 3.0 kV DC	2.0 kV AC/ 3.0 kV DC
VOLTAGE TEST DURATION	1 MINUTE	1 MINUTE
AC SPARK TEST VOLTAGE	6 kV	5 kV
CAPACITANCE (CORE TO CORE)	N/A	72 pF/m
CAPACITANCE (CORE TO SCREEN)	N/A	146 pF/m
CURRENT RATING IN FREE AIR @ 30°C	14 A	6 A
INSULATION RESISTANCE 20°C @ 500 V DC	> 273 MΩ.km	> 312 MΩ.km

NO.	REV.	DESCRIPTION	DATE	CHKD	APPD	STATUS	
09	13529	NEW COLOUR TEMPLATE	23.07.19	S.M.	I.S.	A.S.	
08	11708	PRODUCTION RECORDS UPDATE	27.04.17	S.M.	I.S.	D.H.	
07	10666	WEIGHT TEST RECORDS	04.02.16	S.M.	I.S.	A.S.	
06	10629	PRESSURE TEST RECORDS	21.01.16	I.S.	S.M.	A.S.	
05	9929	DESIGN UPDATE	23.04.15	I.S.	S.M.	A.S.	
04	7554	PRODUCTION RECORDS UPDATE	15.12.11	M.G.	I.S.	C.P.	
03	5354	PRODUCTION RECORDS UPDATE	01.05.09	M.G.	C.F.	I.S.	
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS

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TITLE
 2 CORES (1.5 mm²) +
 2 T.S.P. S (0.5 mm²) + SCREEN
 + POLYURETHANE SHEATH

DRG. No. **CS 589**

ACTIVE

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