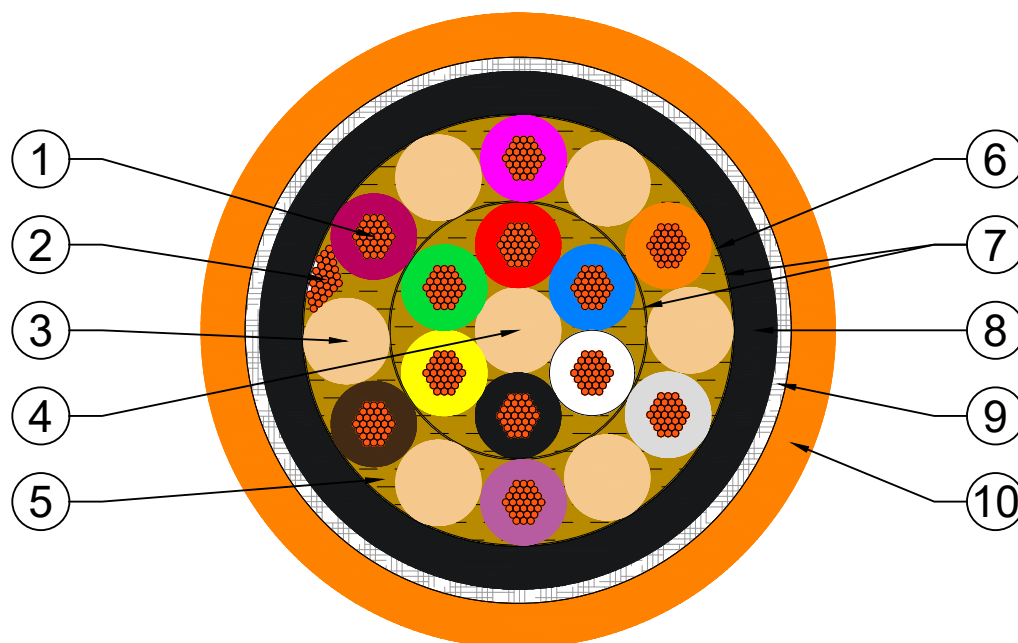


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CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	22.3 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	1.55 mm
NOMINAL DIAMETER OVER BRAID	19.2 mm
NOMINAL DIAMETER OVER INNER SHEATH	18.2 mm
NOMINAL RADIAL THICKNESS OF INNER SHEATH	1.5 mm
NOMINAL LAID UP DIAMETER OF CABLE	15.2 mm
NOMINAL DIAMETER OF 1st CABLE RUN	9.1 mm
WEIGHT OF CABLE IN AIR (APPROX.)	696 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	287 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	297 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 80 °C
MAXIMUM CONDUCTOR TEMPERATURE	90 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	223 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	335 mm
MAXIMUM CONTINUOUS LENGTH	2000 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	12	1.5 mm <sup>2</sup> X.L.P.E. INSULATED CONDUCTOR
2	1	1.5 mm <sup>2</sup> DRAIN WIRE
3	6	2.5 mm DIAMETER P.V.C. FILLER
4	1	3.0 mm DIAMETER P.V.C. 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. 1.5 mm)
9	A/R	GALVANISED STEEL WIRE BRAID
10	A/R	POLYURETHANE SHEATH (R.T. 1.55 mm)



O.D. 22.3 mm ±1.0 mm

**DESCRIPTION :**

12 CORES (1.5 mm<sup>2</sup>, CLASS 5 STRANDED TINNED COPPER, CROSS LINKED POLYETHYLENE INSULATION) + COLLECTIVE SCREEN (ALUMINIUM TAPE + 1.5 mm<sup>2</sup>, CLASS 5 STRANDED TINNED COPPER DRAIN WIRE) + WATER BLOCKING COMPOUND + POLYURETHANE INNER SHEATH (RADIAL THICKNESS 1.5 mm) + GALVANISED STEEL WIRE BRAID + POLYURETHANE SHEATH (RADIAL THICKNESS 1.55 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>i</sub> (Um)	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	15 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

REFERENCE DOCUMENTATION DS 5114

DRG. STATUS

**ACTIVE**

DRG. No.

**CS 1236**

SHT 01 OF 08 ISSUE 10

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TITLE  
12 CORES (1.5 mm<sup>2</sup>) + SCREEN  
+ WB + PUR BEDDING +  
G.S.W.B. + PUR SHEATH

ISSUE D.R.F. MODIFICATION

DRAWN DATE CHKD APPD

DRG. STATUS

**ACTIVE**

DRG. No.

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