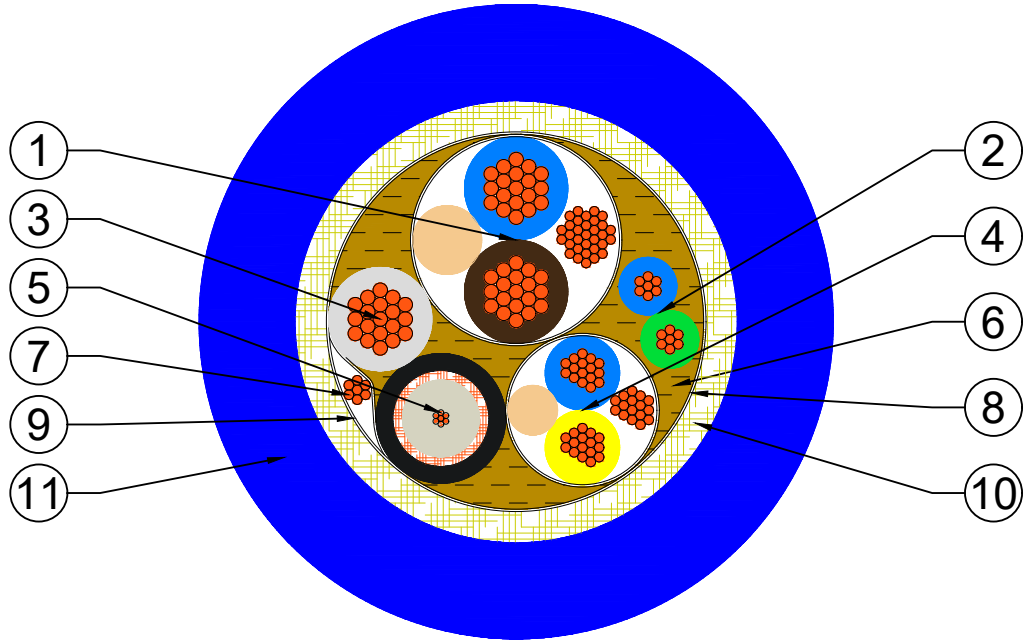


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CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	13.2 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	2.0 mm
NOMINAL DIAMETER OVER BRAID	9.2 mm
NOMINAL LAID UP DIAMETER OF CABLE	7.9 mm
WEIGHT OF CABLE IN AIR (APPROX.)	205 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	69 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	73 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 60 °C
MAXIMUM CONDUCTOR TEMPERATURE	70 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	119 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	172 mm
MAXIMUM CONTINUOUS LENGTH	900 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	2500 PSI

ITEM	QTY.	DESCRIPTION
1	1	1.34 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR
2	1	0.22 mm ² M.D.P.E. INSULATED, TWISTED PAIR
3	1	1.34 mm ² M.D.P.E. INSULATED CONDUCTOR
4	1	0.5 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR
5	1	RG179 COAXIAL
6	A/R	WATER BLOCKING COMPOUND
7	1	0.22 mm ² DRAIN WIRE
8	A/R	POLYESTER TAPE
9	A/R	ALUMINIUM / POLYESTER TAPE
10	A/R	VECTRAN FIBRE BRAID (M.B.L. 1134 kg.f)
11	A/R	POLYURETHANE SHEATH (R.T. 2.0 mm)



O.D. 13.2 mm ±0.5 mm

DESCRIPTION :

1 TWISTED SCREENED PAIR (1.34 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 1.34 mm², STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + 1 TWISTED SCREENED PAIR (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) + 1 TWISTED PAIR (0.22 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 CORE (1.34 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 COAXIAL (75 Ω, RG 179) + WATER BLOCKING COMPOUND + COLLECTIVE SCREEN (ALUMINIUM TAPE + 0.22 mm², STRANDED TINNED COPPER DRAIN WIRE) + VECTRAN FIBRE BRAIDED STRENGTH MEMBER (MINIMUM BREAK LOAD 1134 kg.f) + POLYURETHANE SHEATH (RADIAL THICKNESS 2.0 mm)

ELECTRICAL CHARACTERISTICS			
CORE CROSS SECTIONAL AREA	1.34 mm ²	0.5 mm ²	0.22 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	14.9 Ω/km	40.1 Ω/km	92.0 Ω/km
VOLTAGE RATING	90 V AC	300 V AC	440 V r.m.s.
ROUTINE TEST VOLTAGE	0.75 kV AC/ 1.5 kV DC	1.0 kV AC/ 2.0 kV DC	1.34 kV AC
VOLTAGE TEST DURATION	1 MINUTE	1 MINUTE	5 MINUTES
AC SPARK TEST VOLTAGE	5 kV	5 kV	5 kV
CURRENT RATING IN FREE AIR @ 30°C	11 A	3 A	<1 A
INSULATION RESISTANCE 20°C @ 500 V DC	> 142 MΩ.km	> 213 MΩ.km	> 30.1 MΩ.km

COAXIAL CHARACTERISTICS	
COAXIAL TYPE	RG 179
CHARACTERISTIC IMPEDANCE	75 Ω
MAX CONDUCTOR RESISTANCE @ 20°C	<239.5 Ω/km
CAPACITANCE	54 ±5 pF/m
VELOCITY OF PROPAGATION	82%
ATTENUATION @ 10 MHz	6.0 dB/100m
ATTENUATION @ 100 MHz	19.5 dB/100m
ATTENUATION @ 200 MHz	28.0 dB/100m

ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS
10	13529	NEW COLOUR TEMPLATE	S.M.	19.07.19	I.S.	R.Z.	"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE
09	10666	WEIGHTS UPDATED	S.M.	04.02.16	I.S.	A.S.	CUSTOMER ISSUE NOTIFICATION:- NO
08	10604	PRESSURE RATING CONFIRMATION	I.S.	18.01.16	S.M.	A.S.	CUSTOMER NAME. N/A
07	10273	AMEND COAXIAL COMPONENT	I.S.	04.09.15	S.M.	A.S.	CUSTOMER REF. No. N/A
06	9929	NEW TEMPLATE, UPDATE DESIGN	I.S.	23.04.15	S.M.	A.S.	REFERENCE DOCUMENTATION
05	8239	KEVLAR CHANGED TO VECTRAN	I.S.	30.01.13	M.G.	A.S.	
04	5835	PART NUMBERS AND WEIGHTS UPDATED	I.S.	08.01.10	N/A	D.H.	
03	5550	PRODUCTION RECORDS UPDATE	K.M.	16.06.09	C.F.	D.H.	

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TITLE 1 T.S.P. (1.34 mm²) + 1 T.P. (0.22 mm²) + 1 T.S.P. (0.5 mm²) + 1 COAX (75 OHM, RG179) + 1 CORE (1.34 mm²) + SCREEN + W/B + VECTRAN (M.B.L. 1134 kg.f) + PUR SHEATH

DRG. No. CS 908

DRG. No. CS 908

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