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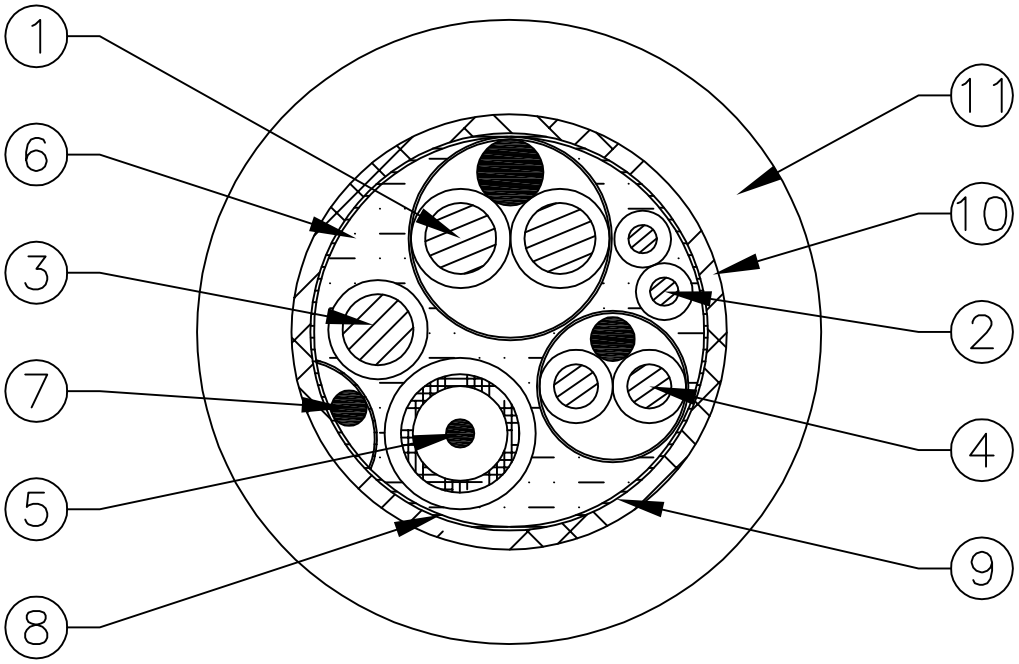
CABLE ATTRIBUTES	APPROX.
OVERALL DIAMETER	13.2 mm
RADIAL THICKNESS OF OUTER SHEATH	2.0 mm
DIAMETER OVER BRAID	9.2 mm
LAID UP DIAMETER OF CABLE	8.4 mm
WEIGHT OF CABLE IN AIR (APPROX.)	204 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	64 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	−20 to 50 °C
MAXIMUM CONDUCTOR TEMPERATURE	60 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	119 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	172 mm
MAXIMUM CONTINUOUS LENGTH	1000 m
MAXIMUM WORKING PRESSURE	1650 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	1	1.34 mm² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
2	1	0.22 mm² TWISTED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
3	1	1.34 mm² CONDUCTOR (MEDIUM DENSITY POLYETHYLENE INSULATION)
4	1	0.5 mm² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
5	1	RG 179 COAXIAL (75 Ω)
6	A/R	SANDO WATERBLOCK COMPOUND
7	1	0.22 mm² TINNED COPPER DRAIN WIRE
8	A/R	ALUMINIUM/ POLYESTER TAPE
9	A/R	POLYESTER TAPE
10	A/R	VECTRAN FIBRE BRAID (M.B.L. 1134 kg)
11	A/R	ZERO HALOGEN FLAME RETARDANT POLYURETHANE SHEATH (R.T. 2.0 mm)



O.D. 13.2 mm ±0.5 mm

DESCRIPTION :

ONE TWISTED SCREENED PAIR (1.34 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + ONE TWISTED SCREENED PAIR (0.5 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + ONE TWISTED PAIR (0.22 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + ONE CONDUCTOR (1.34 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + ONE COAXIAL (75 Ω, RG 179) + SANDO WATERBLOCK COMPOUND + OVERALL SCREEN + VECTRAN FIBRE BRAID (M.B.L. 1134 kg) + POLYURETHANE SHEATH (R.T. 2.0 mm)

ELECTRICAL CHARACTERISTICS	1.34 mm²	0.5 mm²	0.22 mm²
MAX CONDUCTOR RESISTANCE @ 20°C	14.9 Ω/km	40.1 Ω/km	92.0 Ω/km
VOLTAGE RATING Uo/U(Um)	90 V AC	300 V AC	440 V R.M.S.
ROUTINE TEST VOLTAGE	750 V AC/ 1500 V DC	1 kV AC/ 2 kV DC	1350 V AC
TEST VOLTAGE DURATION	1 MINUTE	1 MINUTE	5 MINUTES
AC SPARK TEST VOLTAGE	5 kV	5 kV	5 kV
CURRENT RATING @ 35°C	11 A	3 A	<1 A
INSULATION RESISTANCE 15−35°C @ 500 V DC	> 1000 MΩ/km	> 1000 MΩ/km	> 1000 MΩ/km

ELECTRICAL CHARACTERISTICS	RG179
CHARACTERISTIC IMPEDANCE	75 ±3 Ω/km
CAPACITANCE	54 ±5 pF/m
MAX. INNER CONDUCTOR RESISTANCE	240 Ω/km
MIN. INSULATION RESISTANCE	100 MΩ/km
RATED VOLTAGE	30 V
VELOCITY RATIO	80 %
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
06	9929	NEW TEMPLATE, UPDATE DESIGN	I.S.	23.04.15	S.M.	A.S.
05	8239	AMEND KEVLAR BRAID TO VECTRAN	I.S.	30.01.13	M.G.	A.S.
04	5835	PS NUMBERS, CABLE WEIGHTS	I.S.	08.01.10	N/A	D.H.
03	5550	PERFORMANCE RECORDS	K.M.	16.06.09	C.F.	D.H.
02	5486	PERFORMANCE RECORDS	M.G.	31.03.09	N/A	D.H.
01	3476	FIRST ISSUE	J.R.	27.03.02	N/A	D.M.

"CAD" DRAWING − REVISE AT SOURCE − DO NOT SCALE

CUSTOMER ISSUE NOTIFICATION:− NO
CUSTOMER NAME. N/A
CUSTOMER REF. No. N/A
REFERENCE DOCUMENTATION

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TITLE
ONE T.S.P. (1.34 mm²) + ONE T.S.P. (0.5 mm²) + ONE T.P. (0.22 mm²) + ONE CORE (1.34 mm²) + ONE COAX (75 Ω, RG 179) + WATERBLOCK + O/A SCREEN + VECTRAN BRAID (M.B.L. 1134 kg) + P/U SHEATH

DRG. STATUS ACTIVE
DRG. No. CS 908
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