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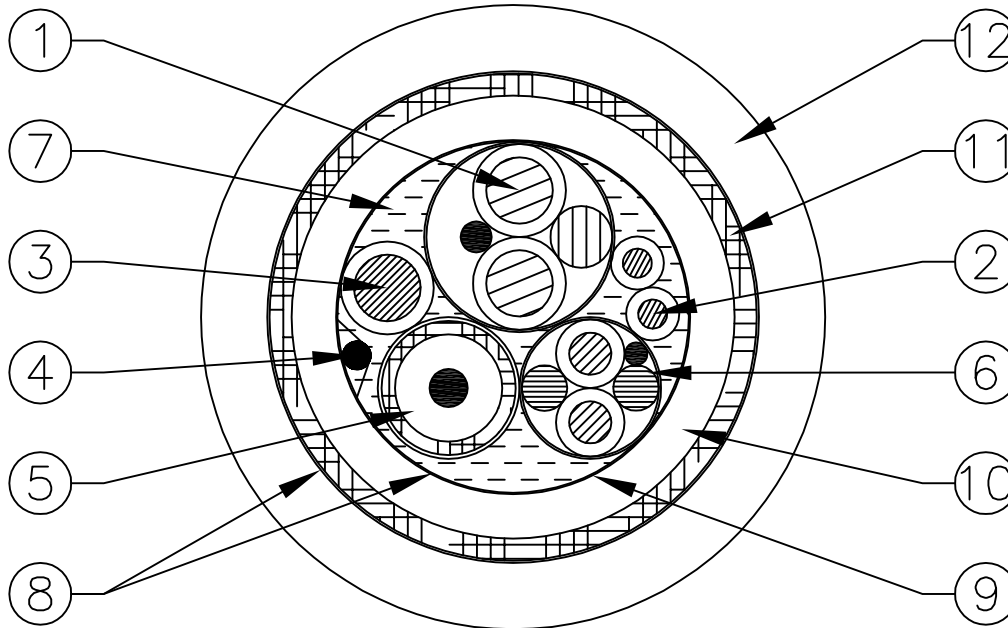
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CABLE ATTRIBUTES	APPROX.	
OVERALL DIAMETER	14.1 mm	⚠
RADIAL THICKNESS OF OUTER SHEATH	1.5 mm	⚠
DIAMETER OVER BRAID	11.1 mm	⚠
DIAMETER OVER BEDDING SHEATH	10.3 mm	⚠
RADIAL THICKNESS OF BEDDING SHEATH	1.0 mm	⚠
LAI D UP DIAMETER OF CABLE	8.3 mm	⚠
WEIGHT OF CABLE IN AIR (APPROX.)	257 kg/km	⚠
WEIGHT OF CABLE IN SEAWATER (APPROX.)	96 kg/km	⚠
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 50 °C	⚠
MAXIMUM CONDUCTOR TEMPERATURE	60 °C	⚠
MINIMUM RECOMMENDED STATIC BEND RADIUS	141 mm	
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	212 mm	
MAXIMUM CONTINUOUS LENGTH	1000 m	⚠
MAXIMUM WORKING PRESSURE	1650 PSI (TBC)	⚠

ITEM	QTY.	DESCRIPTION
1	1	1.34 mm ² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
2	1	0.22 mm ² TWISTED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
3	1	1.34 mm ² CONDUCTOR (MEDIUM DENSITY POLYETHYLENE INSULATION)
4	1	0.22 mm ² TINNED COPPER DRAIN WIRE
5	1	RG 179 COAXIAL (75 Ω)
6	1	0.5 mm ² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
7	A/R	SANDO WATERBLOCK COMPOUND
8	A/R	POLYESTER TAPE
9	A/R	ALUMINIUM/ POLYESTER TAPE
10	A/R	POLYURETHANE BEDDING SHEATH (R.T. 1.0 mm)
11	A/R	GALVANISED STEEL WIRE BRAID
12	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 14.1 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 + POLYURETHANE BEDDING SHEATH (R.T. 1.0 mm) + GALVANISED STEEL WIRE BRAID (75% COVERAGE) + POLYURETHANE SHEATH (R.T. 1.5 mm)

	⚠	⚠	⚠
ELECTRICAL CHARACTERISTICS	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	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
CHARACTERISTIC IMPEDANCE OF COAXIAL	75 Ω		

NO.	REV.	DESCRIPTION	DATE	BY	CHKD	APPD	STATUS
08	9929	NEW TEMPLATE, UPDATE DESIGN	I.S. 23.04.15	S.M.	A.S.		
07	8737	AMEND O.D. + SHEATH THICKNESS	I.S. 20.11.13	M.G.	A.S.		
06	8582	PERFORMANCE RECORDS + REVIEW	M.G. 12.08.13	I.S.	A.S.		
05	6293	DIMENSIONS + WEIGHTS AMENDED	C.F. 11.06.10	D.H.	D.H.		
04	5968	PARTS LIST & CONSTRUCTION REVISED	C.F. 26.03.10	I.S.	D.H.		
03	5454	PERFORMANCE RECORD UPDATE	M.G. 10.03.09	I.S.	D.H.		
02	5141	PERFORMANCE RECORD UPDATE	M.G. 20.02.09	R.M.	C.G.		
01	N/A	FIRST ISSUE	N.B. 20.11.92	N/A	N/A		
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD	DRG. STATUS

"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 + P/U BEDDING + G.S.W.B. + P/U SHEATH

ACTIVE

DRG. No.

CS 434

SHEET 01 OF 04

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