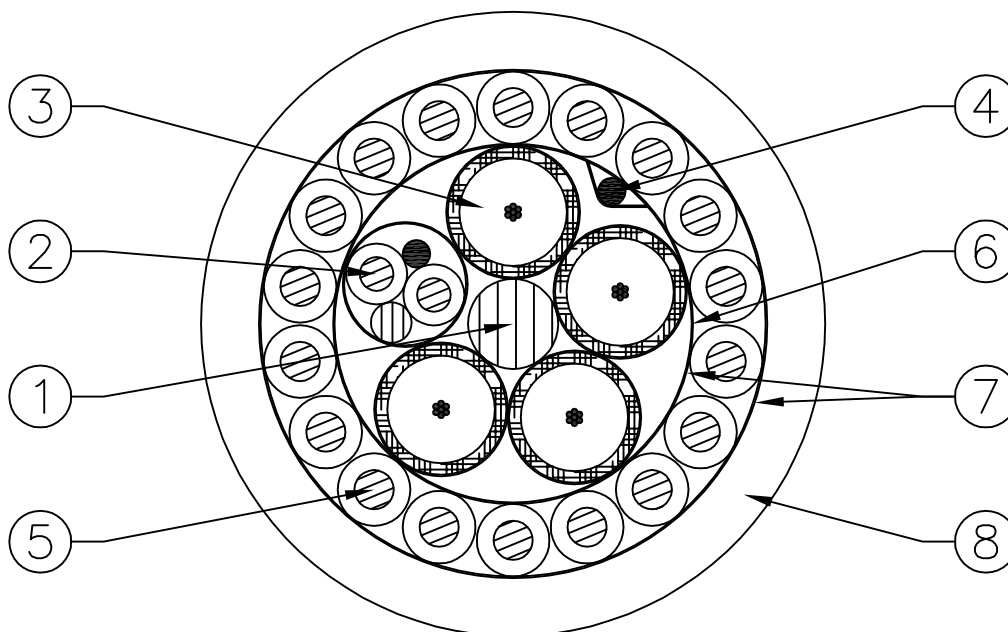


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CABLE ATTRIBUTES	APPROX.
OVERALL DIAMETER	21.5 mm
RADIAL THICKNESS OF OUTER SHEATH	2.0 mm
LAID UP DIAMETER OF CABLE	17.5 mm
DIAMETER OF FIRST CABLE RUN	12.4 mm
WEIGHT OF CABLE IN AIR (APPROX.)	573 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	201 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 50 °C
MAXIMUM CONDUCTOR TEMPERATURE	60 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	172 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	258 mm
MAXIMUM CONTINUOUS LENGTH	900 m
MAXIMUM WORKING PRESSURE	1650 PSI (TBC)

ITEM	QTY.	DESCRIPTION
1	1	3.0 mm DIAMETER FILLER (POLYPROPYLENE MATERIAL)
2	1	0.75 mm ² TWISTED SCREENED PAIR (MEDIUM DENSITY POLYETHYLENE INSULATION)
3	4	75Ω COAXIAL (RG 59)
4	1	0.5 mm ² TINNED COPPER DRAIN WIRE
5	18	1.0 mm ² CONDUCTOR (MEDIUM DENSITY POLYETHYLENE INSULATION)
6	A/R	ALUMINIUM/ POLYESTER TAPE
7	A/R	POLYESTER TAPE
8	A/R	POLYURETHANE SHEATH (R.T. 2.0 mm)



O.D. 21.5 mm ±1.0 mm

DESCRIPTION :

4 COAXIALS (75Ω, RG 59) + ONE TWISTED SCREENED PAIR (0.75 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + OVERALL SCREEN + 18 CONDUCTORS (1.0 mm², MEDIUM DENSITY POLYETHYLENE INSULATION) + POLYURETHANE SHEATH (R.T. 2.0 mm)

	¹²	¹²
ELECTRICAL CHARACTERISTICS	0.75 mm ²	1.0 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	26.7 Ω/km	20.0 Ω/km
VOLTAGE RATING	500 V AC	500 V AC
ROUTINE TEST VOLTAGE	2 kV AC/ 3 kV DC	2 kV AC/ 3 kV DC
TEST VOLTAGE DURATION	1 MINUTE	1 MINUTE
AC SPARK TEST VOLTAGE	5 kV	6 kV
CURRENT RATING @ 35°C	5 A	6 A
INSULATION RESISTANCE 15-35°C @ 500 V DC	> 1000 MΩ/km	> 1000 MΩ/km
CHARACTERISTIC IMPEDANCE OF COAXIAL	75 Ω	

				"CAD" DRAWING - REVISE AT SOURCE - DO NOT SCALE		
12	9957	NEW TEMPLATE, AMEND VOLTAGES	I.S.	06.05.15	S.M.	A.S.
11	6378	ADD INNER BUNDLE O.D.	I.S.	28.07.10	D.H.	A.P.
10	5953	ADD CABLE WEIGHTS	I.S.	15.02.10	D.H.	D.H.
09	5330	PERFORMANCE RECORDS, ADDRESS	C.F.	22.09.09	I.S.	D.H.
08	5141	PERFORMANCE RECORDS	M.G.	18.02.09	R.M.	C.G.
07	5307	CHANGE CENTRAL FILLER	M.Y.	03.12.02	D.H.	C.G.
06	1102	N/A	J.R.	07.11.02	N/A	D.M.
ISSUE	D.R.F.	MODIFICATION	DRAWN	DATE	CHKD	APPD



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TITLE 4 COAXIALS (75Ω, RG 59) + ONE T.S.P.
 (0.75 mm²) + O/A SCREEN + 18 CORES
 (1.0 mm²) + P/U SHEATH

ACTIVE

DRG.
No.

CS 348

SHEET 01
OF 04

ISSUE
12