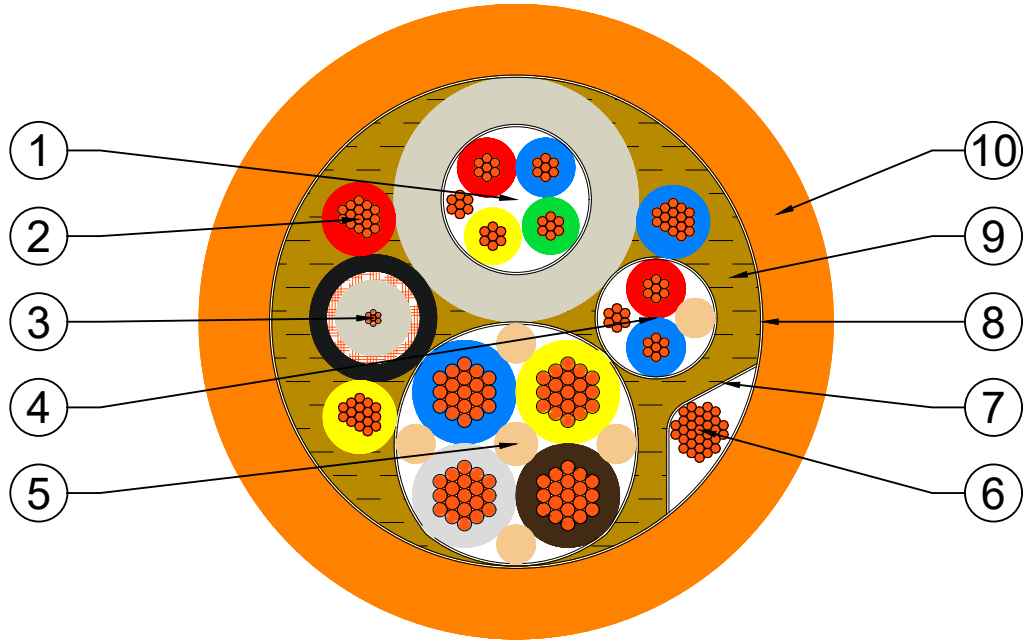


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CABLE ATTRIBUTES	APPROX.
NOMINAL OVERALL DIAMETER	13.5 mm
NOMINAL RADIAL THICKNESS OF OUTER SHEATH	1.5 mm
NOMINAL LAID UP DIAMETER OF CABLE	10.5 mm
WEIGHT OF CABLE IN AIR (APPROX.)	237 kg/km
WEIGHT OF CABLE IN SEAWATER (APPROX.)	90 kg/km
WEIGHT OF CABLE IN FRESHWATER (APPROX.)	94 kg/km
AMBIENT OPERATING TEMPERATURE RANGE	-20 to 60 °C
MAXIMUM CONDUCTOR TEMPERATURE	70 °C
MINIMUM RECOMMENDED STATIC BEND RADIUS	108 mm
MINIMUM RECOMMENDED DYNAMIC BEND RADIUS	162 mm
MAXIMUM CONTINUOUS LENGTH	900 m
MAXIMUM HYDROSTATIC WORKING PRESSURE	3000 PSI

ITEM	QTY.	DESCRIPTION
1	1	0.22 mm ² M.D.P.E. INSULATED, TWISTED SCREENED QUAD
2	3	0.5 mm ² M.D.P.E. INSULATED CONDUCTOR
3	1	75 Ω, RG 179 COAXIAL
4	1	0.22 mm ² M.D.P.E. INSULATED, TWISTED SCREENED PAIR
5	1	1.34 mm ² M.D.P.E. INSULATED, TWISTED QUAD
6	1	1.0 mm ² DRAIN WIRE
7	A/R	POLYESTER TAPE
8	A/R	ALUMINIUM / POLYESTER TAPE
9	A/R	WATER BLOCKING COMPOUND
10	A/R	POLYURETHANE SHEATH (R.T. 1.5 mm)



O.D. 13.5 mm ±0.5 mm

DESCRIPTION :

1 P.V.C. JACKETED TWISTED SCREENED QUAD (0.22 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 0.22 mm², STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + 3 TINNED COPPER CONDUCTORS (0.5 mm², CLASS 5 STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + 1 COAXIAL (75 Ω RG179) + 1 TWISTED SCREENED PAIR (0.22 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION, ALUMINIUM TAPE + 0.22 mm², STRANDED TINNED COPPER DRAIN WIRE INDIVIDUAL SCREEN) + 1 TWISTED QUAD (1.34 mm², STRANDED TINNED COPPER, MEDIUM DENSITY POLYETHYLENE INSULATION) + WATER BLOCKING COMPOUND + COLLECTIVE SCREEN (ALUMINIUM TAPE + 1.0 CLASS 5 STRANDED TINNED COPPER DRAIN WIRE) + POLYURETHANE SHEATH (RADIAL THICKNESS 1.5 mm)

ELECTRICAL CHARACTERISTICS			
CORE CROSS SECTIONAL AREA	1.34 mm ²	0.5 mm ²	0.22 mm ²
MAX CONDUCTOR RESISTANCE @ 20°C	15.2 Ω/km	40.1 Ω/km	94.1 Ω/km
VOLTAGE RATING	90 V	300 V	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/ 1.91 kV DC
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	6 A	SIGNAL
INSULATION RESISTANCE 20°C @ 500 V DC	> 152 MΩ.km	> 213 MΩ.km	> 30.1 MΩ.km

ELECTRICAL 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	STATUS
15	13529	NEW COLOUR TEMPLATE	S.M.	23.07.19	I.S.	A.S.	ACTIVE
14	10955	PRODUCTION RECORDS UPDATE	S.M.	27.05.16	I.S.	A.S.	ACTIVE
13	10273	COAXIAL COMPONENT AMENDED	I.S.	04.09.15	S.M.	A.S.	ACTIVE
12	10265	TEST RECORDS ADDED	I.S.	19.08.15	S.M.	R.Z.	ACTIVE
11	9260	DRAIN WIRE MOVED OUT OF BUNDLE	S.M.	28.08.14	B.M.	R.Z.	ACTIVE
10	5330	PRODUCTION RECORDS UPDATE	C.F.	23.09.09	-	D.H.	ACTIVE

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TITLE
 1 T.S.Q. (0.22 mm²) + 3 CORES (0.5 mm²) +
 1 COAX + 1 T.S.P. (0.22mm²) + 1 T.Q. (1.34 mm²)
 + SCREEN + POLYURETHANE SHEATH

DRG. No. **CS 410**

SHT 01 OF 05 ISSUE 15