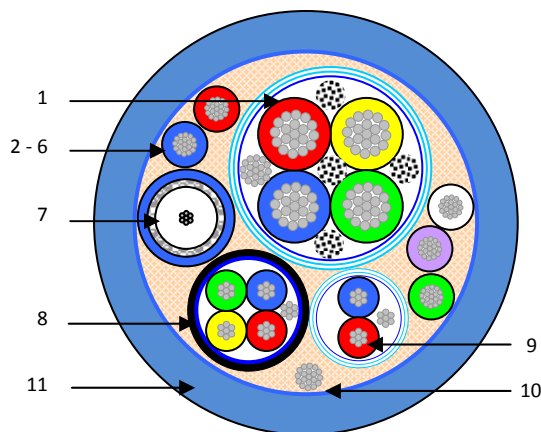


PART NO: XX-8003

TITLE: Underwater Video System Cable



No	Details	Colr	Dia
1	1 position Screened Twisted Quad 15AWG, 19/0.32mm (1.50sqmm) Tinned Copper Strand HDPE insulated to 2.40mm Diameter 4 no Twisted together with 4 no PP Fillers and 1 no 19/0.32mm Tinned Copper Drain Wire in interstices. Overall 12/23µM Ali/PET Helical Foil Screen. Minimum overlap 50%. 2 no Overall contra-helical 23µM PET insulating tapes. Minimum overlap 50%.	RD YW BU GN	6.60
2	5 position Cores 22AWG, 19/0.16mm (0.38sqmm) Tinned Copper Strand HDPE insulated to 1.50mm Diameter	RD GN BU VT WH	1.50 +/- 0.05

No	Details	Colr	Dia
7	1 position Coaxial Cable D0624 RG179 Type 7/0.16mm Tinned Copper LDPE Dielectric 2.10mm Braided Tinned Copper Secondary Conductor, 95% Optical Coverage HDPE Jacket, 0.40mm RTI	BU	3.30
8	1 position Screened Twisted Quad 24AWG, 7/0.20mm (0.22sqmm) Tinned Copper Strand HDPE insulated to 1.35mm +/- 0.05mm 4 no Twisted together with 1 no 7/0.20mm Tinned Copper Drain Wire in interstice. Overall 12/23µM Ali/PET Helical Foil Screen. Minimum overlap 50%. Black HDPE Jacket, 0.50mm RTI.	BU GN YW RD	4.20
9	1 position Screened Twisted Pair 24AWG, 7/0.20mm (0.22sqmm) Tinned Copper Strand HDPE insulated to 1.35mm +/- 0.05mm 2 no Twisted together with 1 no 7/.020mm Tinned Copper Drain Wire in interstices. Overall 12/23µM Ali/PET Helical Foil Screen. Minimum overlap 50%. 2 no Overall contra-helical 23µM PET insulating tapes. Minimum overlap 50%.	RD BU	3.30
10	Lay-Up Items 1 – 9 cabled together with 16/0.20mm (0.50sqmm) Tinned Copper Drain Wire in one interstice. All voids filled with Curable Silicone Rubber Compound. Overall 12/23µM Ali/PET Helical Foil Screen. Minimum overlap 50%.	N/A	11.00
11	Jacket Polyurethane 4350 1.50mm Nominal RTI 87 Shore A	BU	14.00 +/- 0.50

Notes	
Electrical Characteristics	
Maximum Conductor Resistance	93.10 Ω/KM @ 20°C
0.22sqmm Conductors	52.70 Ω/KM @ 20°C
0.38sqmm Conductors	13.70 Ω/KM @ 20°C
1.50sqmm Conductors	
Minimum Insulation Resistance	
Core – Core	>500 MΩ / KM @ 500VDC
Core – Screen	>250 MΩ / KM @ 500VDC
Screen – Screen	> 10 MΩ / KM @ 500VDC
Working Voltage	500 Vrms
Coaxial Cable Characteristics	
Characteristic Impedance	75Ω
Nominal Capacitance	55pF/Metre
Nominal Inner Conductor Resistance	130 Ω/KM @ 20°C
Outer Conductor Resistance	30 Ω/KM @ 20°C
Attenuation	1.6DB / 100m @ 1MHz
Mechanical Characteristics	
Maximum Operating Temp	
Static	+90°C
Dynamic	+80°C
Cold Flex Temp	-40°C
Minimum recommended Bend Radius	
Static	95mm
Dynamic	140mm
Calculated Weight in Air	261 KG/KM
Calculated Weight in Sea Water	105 KG/KM



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