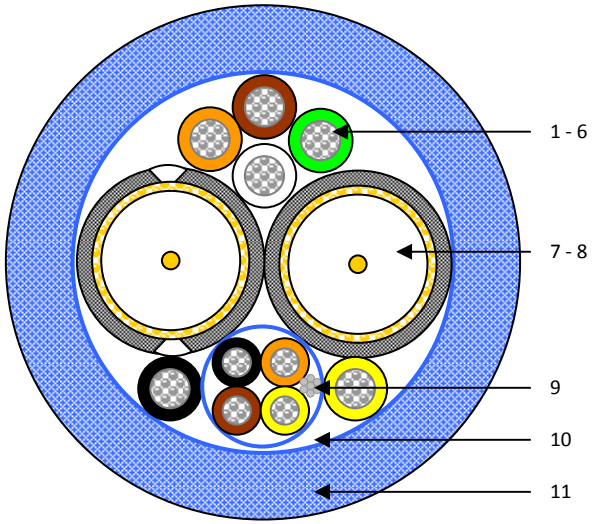
PART NO: XX-8005

TITLE: Underwater Video Control Cable



No	Details	Colr	Dia
1 2 3 4 5 6	**6 position Single Conductors** 18AWG (32/0.20mm) Tinned Copper PVC T5 insulated to 2.10mm	YW BK WH BN OR GN	2.10
7 8	**2 position Coaxial Cables** RG59B/U 1/0.584mm Copper Clad Steel Solid PE dielectric to 3.7mm diameter 16/7/0.12mm Plain Copper Braid PVC TM2 Jacket	BK BK/WH	6.20
9	**1 position Screened Twisted Quad** 20AWG (16/0.20mm) Tinned Copper HDPE insulated to 1.60mm 4 no twisted together with 1 position 22AWG (7/0.25mm) tinned copper drain wire in interstice. Overall 12/23µM Ali/PET Helical Foil Screen, minimum overlap 50%	BK OR BN YW	4.10
10	**Lay-up** Items 1 – 9 cabled together with overall 23µM PET Helical separation tape, minimum overlap 50%.	N/A	12.60
11	**Jacket** T.P.V. 4100 series Halogen Free 2.20mm RTI	BU	17.00 +/- 1.00

Notes	
Electrical Characteristics	
20AWG Screened Quad	
Maximum Conductor Resistance	38.60 Ω/KM @ 20°C
Calculated Capacitance Core - Core	50 pF/metre
18AWG Primary	
Maximum Conductor Resistance	19.20 Ω/KM @ 20°C
General	
Minimum Insulation Resistance	
Core – Core	>250 MΩ @ 500V
Core – Screen	>50 MΩ @ 500V
Coaxial Cable	
Central Conductor Resistance	235 Ω/KM @ 20°C
Outer Conductor Resistance	21 Ω/KM @ 20°C
Characteristic Impedance	75 Ω
Capacitance	67 pF/Metre
Attenuation @ 5MHz	2.60 dB/100m Nom
Attenuation @ 10MHz	3.00 dB/100m Nom
Attenuation @ 100MHz	10.90 dB/100m Nom
Attenuation @ 500MHz	25.00 dB/100m Nom
Mechanical Characteristics	
Maximum Operating Temp	+90°C
Cold Flex Temp	-40°C
Minimum Recommended Bend Radius	
Static	135mm
Dynamic	205mm
Calculated Weight in Air	305 KG/KM
Calculated Weight in Sea Water	73 KG/KM

RoHS COMPLIANT 2002/95/EC

ISSUE	DESCRIPTION	DRWN	DATE	APPD	DATE

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