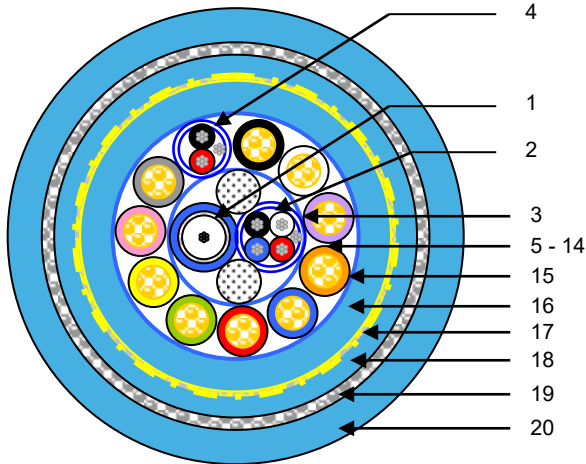


Part No: 021523-013-1

Page 1 of 2



No	Description	Colr	Dia mm
1	<b>1 position D0624 Coaxial Cable</b> Conductor 7/0.16mm Tinned Copper Polyolefin Dielectric Tinned Copper secondary conductor HDPE Jacket	BU	3.20
2	<b>1 Position Screened Twisted Quad</b> 0.22sqmm (7/0.20mm) Tinned Copper HDPE insulated to 1.20mm Diameter. 4 no twisted together with 022sqmm Tinned Copper Drain Wire in 1 interstice. Overall 12/23µM Ali/PET Helical Foil Screen, minimum overlap 50%. Overall 23µM PET Helical insulation tape, minimum overlap 50%.	WH BK BU RD	3.20
3	<b>Primary lay-up</b> Items 1 – 2 cabled together with 2 no 2.10mm polyethylene fillers. Overall 23µM PET Helical separation tape, minimum overlap 50%.	N/A	6.50
4	<b>1 position Screened Twisted Pair</b> 0.22sqmm (7/0.20mm) Tinned Copper HDPE insulated to 1.10mm Diameter. 2 no twisted together with 022sqmm Tinned Copper Drain Wire in 1 interstice. Overall 12/23µM Ali/PET Helical Foil Screen, minimum overlap 50%. Overall 23µM PET Helical insulation tape, minimum overlap 50%.	BK RD	2.40
5 6 7 8 9 10 11 12 13 14	<b>10 position Power Cores</b> 1.50sqmm (30/0.25mm) Plain Copper HDPE insulated to 0.40mm RTI	BK WH VT OR BU RD GN YW PK GY	2.40

No	Description	Colr	Dia mm
15	<b>Secondary lay-up</b> Items 4 – 13 cabled around item 3 with overall 23µM PET Helical separation tape, minimum overlap 50%.	N/A	11.80
16	<b>Primary Bedding</b> Polyurethane 4350 Flame Retardant, Halogen Free 1.50mm RTI	BU	14.80
17	<b>Strength Member</b> Vectran high performance fibre braid 24/3/1680dTex	N/A	15.50
18	<b>Secondary Bedding</b> Polyurethane 4350 Flame Retardant, Halogen Free 1.00mm RTI	BU	17.50
19	<b>Armour</b> Braided Galvanized Steel Wire 24/8/0.30mm Minimum 70% optical coverage	N/A	18.70
20	<b>Jacket</b> Polyurethane 4350 Flame Retardant, Halogen Free 1.25mm RTI	BU	21.50 +/- 1.00



ISSUE	DESCRIPTION	DRWN	DATE	APPD	DATE
01	Production Issue	CH	23/06/09	JT	23/06/09
00	Quotation	AJK	09/06/09		

This document is the property of Concept Cables Ltd and must not be copied, re-printed or otherwise disclosed to any third party without written permission

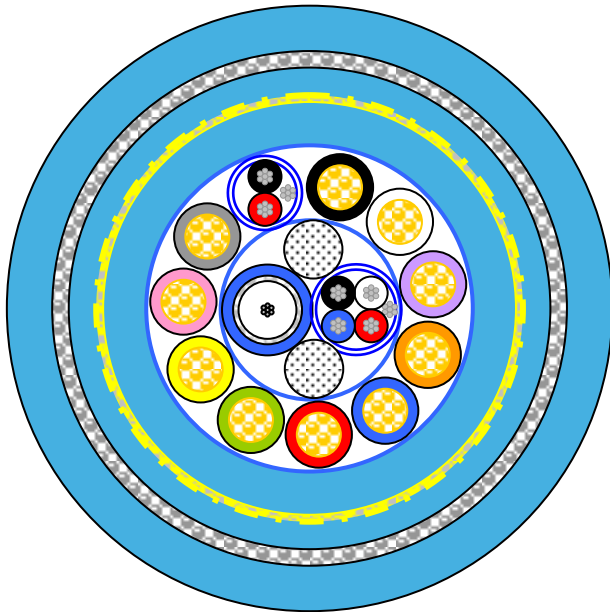


Concept Cables Ltd  
Blandford Forum  
Dorset DT11 7TE  
Tel: 01258 480 603  
Fax: 01258 450 099  
Email: [info@conceptcables.com](mailto:info@conceptcables.com)  
Web: [www.conceptcables.com](http://www.conceptcables.com)

TITLE  
17C-1xCoax-1xSTQ-1xSTP-T-T-PU-B-PU-B-PU

Part No: 021523-013-1

Page 2 of 2



Notes	
<b>Electrical Characteristics</b>	
<b>0.22mm<sup>2</sup> Screened Pair</b>	
Maximum Conductor Resistance	88.20 Ω/KM @ 20°C
Characteristic Impedance	112 Ω
Calculated Capacitance	45 pF / metre
<b>0.22mm<sup>2</sup> Screened Quad</b>	
Maximum Conductor Resistance	88.20 Ω/KM @ 20°C
<b>1.50mm<sup>2</sup> Primary</b>	
Maximum Conductor Resistance	12.70 Ω/KM @ 20°C
<b>General</b>	
Minimum Insulation Resistance	
Core – Core	>500 MΩ @ 500V
Core – Screen	>250 MΩ @ 500V
Screen – Screen	> 10 MΩ @ 500V
<b>Coaxial Cable</b>	
Central Conductor Resistance	130 Ω/KM @ 20°C
Outer Conductor Resistance	30 Ω/KM @ 20°C
Characteristic Impedance	75 Ω
Capacitance	55 pF/Metre
Attenuation @ 1MHz	1.6 dB/100m Nom
Attenuation @ 2MHz	2.3 dB/100m Nom
Attenuation @ 5MHz	3.6 dB/100m Nom
Attenuation @ 10MHz	5.1 dB/100m Nom
Attenuation @ 20MHz	7.2 dB/100m Nom
Attenuation @ 50MHz	11.5 dB/100m Nom

Notes	
<b>Mechanical Characteristics</b>	
Maximum Operating Temp	+90°C
Minimum Cold Flex Temp	-40°C
Minimum Breaking Load	700 KGF
Minimum Recommended Bend Radius	
Static	160mm
Dynamic	240mm
Calculated Weight in Air	631 KG/KM
Calculated Weight in Sea Water	257 KG/KM



ISSUE	DESCRIPTION	DRWN	DATE	APPD	DATE
01	Production Issue	CH	23/06/09	JT	23/06/09
00	Quotation	AJK	09/06/09		

This document is the property of Concept Cables Ltd and must not be copied, re-printed or otherwise disclosed to any third party without written permission



Concept Cables Ltd  
Blandford Forum  
Dorset DT11 7TE  
Tel: 01258 480 603  
Fax: 01258 450 099  
Email: [info@conceptcables.com](mailto:info@conceptcables.com)  
Web: [www.conceptcables.com](http://www.conceptcables.com)

TITLE  
17C-1xCoax-1xSTQ-1xSTP-T-T-PU-B-PU-B-PU