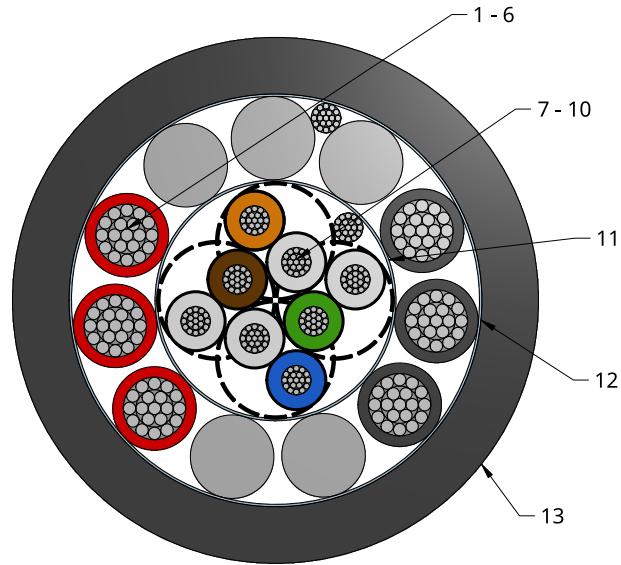


**Part No: BLU002141**

Customer Ref:



No	Description	Colr	Dia mm
1 - 6	<b>6 Position Conductors</b> 18 AWG 1.00mm <sup>2</sup> (19/0.254mm) Tinned Copper HDPE Insulated 0.20mm nom RTI	RD BK	1.70
7 - 10	<b>4 Position Twisted Pairs</b> 24 AWG (19/0.127mm) Tinned Copper FEP insulated to 1.20mm 2 off twisted together at differential lays	BN/WH BU/WH GN/WH OR/WH	2.40
11	<b>Primary Lay Up &amp; Screen</b> Items 7 - 10 cabled together with a 0.25mm <sup>2</sup> (19/0.127mm) Tinned Copper drain wire in interstice Overall helical 12/23µm AlI/PET foil screen, minimum overlap 50%	N/A	4.90
12	<b>Secondary Lay Up &amp; Overall Screen</b> Items 1 - 6 & item 11 cabled together with a 0.25mm <sup>2</sup> (19/0.127mm) Tinned Copper drain wire and five 1.70mm fillers in interstices Overall helical 12/23µm AlI/PET foil screen, minimum overlap 50%	N/A	8.40
13	<b>Jacket</b> Polyether Polyurethane 89 Shore A Halogen Free 1.30mm nom RTI	BK	11.00 MAX

Note	
<b>Electrical Characteristics</b>	
<b>18 AWG Conductors</b>	Maximum Conductor Resistance 20.25 Ω/KM @ 20°C
	Voltage Rating Uo/U 300/500 Vrms
	Maximum Current Rating/Conductor 13 Amps
<b>24AWG Conductors</b>	Maximum Conductor Resistance 88.20 Ω/KM @ 20°C
	Minimum Insulation Resistance
	Core - Core >1.00 GΩ/KM
	Core - Screen >500 MΩ/KM
	Voltage Rating Uo/U 600/1,000 Vrms
<b>Mechanical Characteristics</b>	
Maximum Operating Temp	Static +90°C
	Dynamic +80°C
Cold Flex Temp	-40°C
Depth Rating	1,000 M
Min Recommended Bend Radius	Static 85 mm
	Dynamic 160 mm
Nominal Weight	In Air 153 KG/KM
	In Sea Water @ SG 1.025 61 KG/KM



ISSUE	DESCRIPTION	DRWN	DATE	CKD	DATE	APPD	DATE
04	Changed Cores to 18 AWG, Added Fillers	TI	02/07/24	AJK	02/07/24		
03	Redesign	TI	05/06/24	AJK	05/06/24		
02	Redesign	TI	20/05/24	AJK	20/05/24		
01	Quotation	TI	10/05/24	AJK	10/05/24		

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TITLE	14C-18AWG-4UTP-F-PU-BK-11.00
DESCRIPTION	
CUSTOMER	Blue Trail Engineering LLC