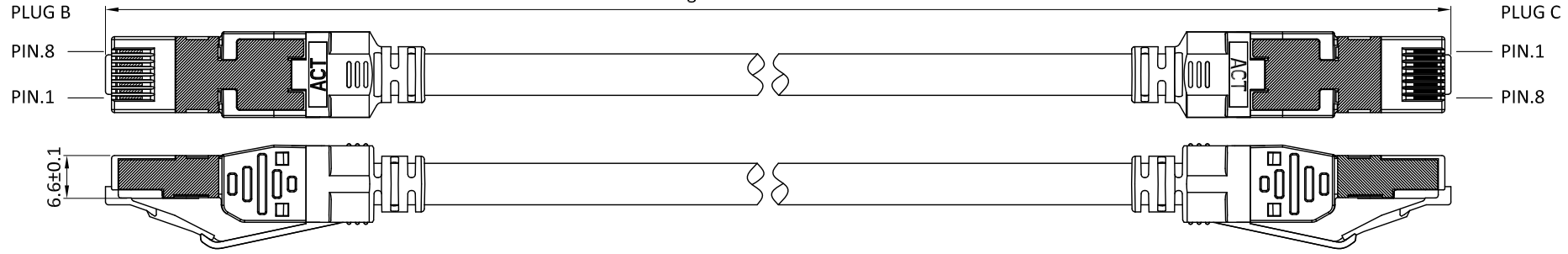


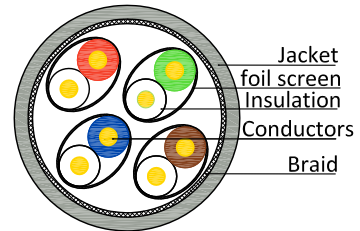
1 2 3 4 5 6

Length available: 20m to 90m



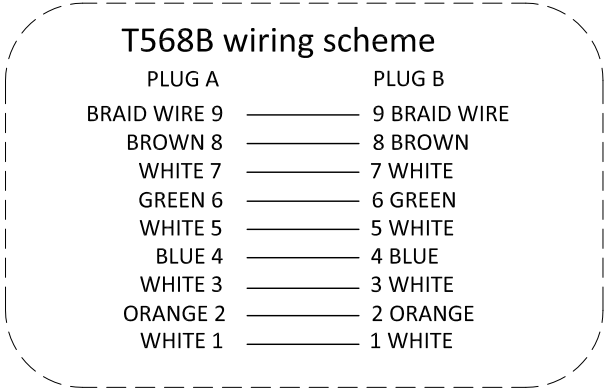
Printing on cable:

CE UKCA 24 ACT Cat6A S/FTP CU LSZH 4x2xAWG23 ANSI/TIA-568.2-D Class Ea ISO/IEC 11801-1 IEC 60332-1-2 (DoP: 1320-2406 B2ca, s1a, d0, a1) IEEE 802.3bt Type 4



Cross section

Specification	
Type	ACT Pre-term Network Cable (Male-Male)
Shielded	Cat.6A S/FTP
Max. bandwidth	500MHz
Standard	ANSI/TIA-568.2-D
	IEC61156-5
	ISO/IEC11801-1
	IEC60603-7
Power Over Ethernet rating	PoE++ /Maximum 100W
	IEEE 802.3bt Type 4
Temperature range	Operational -10° to +60°
	Storage -40° to +70°
Humidity(Max)	93% relative humidity, non-condensing
Max. tractive force	50N for 60sec.

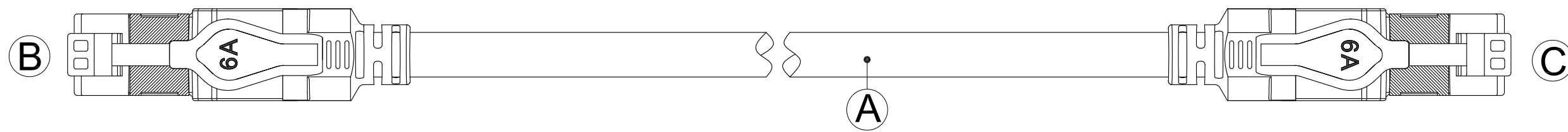


NO.	Length	Tolerance
1	1m-20m	+5cm/-0cm
2	20m-90m	+7cm/-3cm

ACT	ACT Pre-term Network Cable (Male-Male)	
	Item : FB00xx	Revision : 1.0
		Date : 17-03-2025
Drawn by : Slim	<small>This drawing is proprietary information of ACT Connectivity Solutions and confidential and provided to you for internal use on a need to know basis only. This document may not be duplicated for or disseminated to any third party without the prior explicit written consent of ACT Connectivity Solutions. Copies of this document, Printed or electronic, are uncontrolled and intended only for immediate use.</small>	

1 2 3 4 5 6 10cm

1 2 3 4 5 6



Cable (A)

Conductor type	Solid
Conductor material	23AWG solid copper
Outer diameter	7.4 +/- 0.2mm
Insulation	Skin-foam-skin PE
Shield	Aluminum /PET on each pair
Braid	Tinned CCS, min. 60% coverage
Bend radius	Min. 30mm (4x of cable O.D.)
Outer jacket	LSZH
Cable colour	Blue (RAL5015)
Fire retardant	IEC60332-1-2(B2ca)

Item	length
FB0020	20
FB0025	25
FB0030	30
FB0035	35
FB0040	40
FB0045	45
FB0050	50
FB0055	55

Item	length
FB0060	60
FB0065	65
FB0070	70
FB0075	75
FB0080	80
FB0085	85
FB0090	90

Plug (B,C)

Plug B	RJ45 8P8C + Strain Relief
Plug C	RJ45 8P8C + Strain Relief
Contact plating	50 micro-inch gold plated on surface contact area
Contact material	Phosphor bronze with nickel plated
IDC material and plating	Phosphor bronze with nickel plated
Contacts and IDC assembly	Press-fit on PCB
Shielded	Copper with nickel plated
Plug housing	PC, UL 94V-2, with black color
PCB	FR4, UL 94V-0
Strain Relief	PC, UL 94V-2, with black color(ACT logo)



Drawn by :Slim

ACT Pre-term Network Cable (Male-Male)

Item : FB00xx

Revision : 1.0

Date : 17-03-2025

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1 2 3 4 5 6 0 10cm