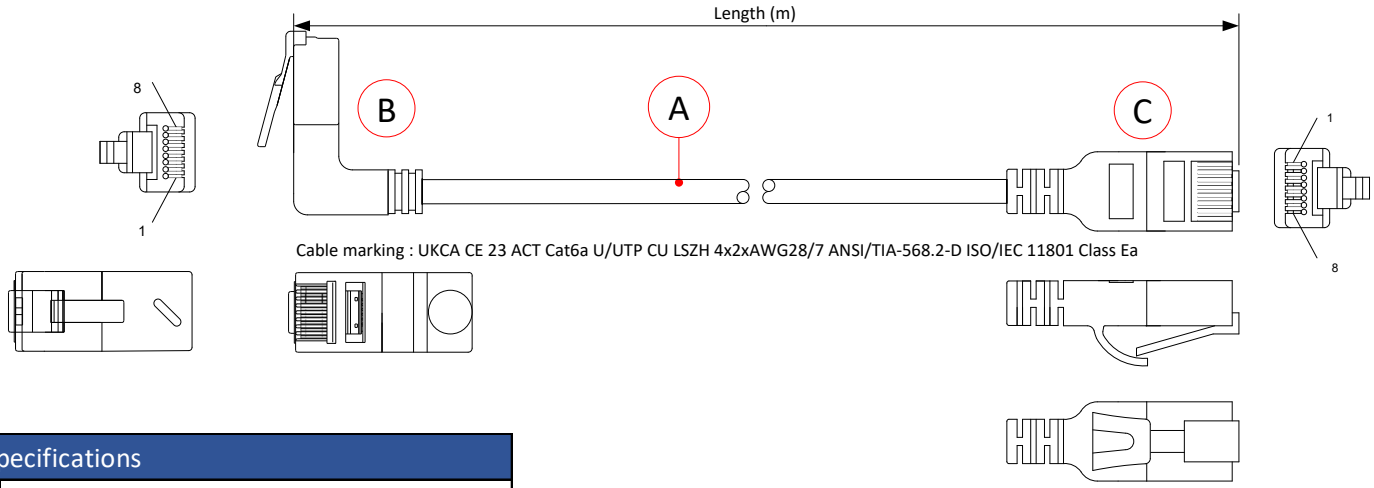
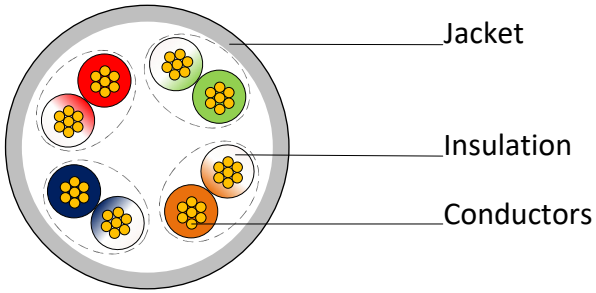


Cable marking : UKCA CE 23 ACT Cat6a U/UTP CU LSZH 4x2xAWG28/7 ANSI/TIA-568.2-D ISO/IEC 11801 Class Ea

Specifications	
Type	CAT6A slimline angled Up to straight
Shielding	No, U/UTP
Max. bandwidth	500Mhz
Standard	ANSI/TIA-568.2-D
Temperature range	Operational -20°C to +60°C / 40~60%
	Installation 0°C to +50°C / 40~60%
Wiring	T568B
Impedance	100Ω
Conductor DC resistance	28.45Ω / 100m maximum
Max tractive force	50N

Cable (A)	
Conductor type	Stranded
Conductor material	Bare Copper 4x2x28AWG /7
Outer diameter	3.6 mm ±0.2mm
Bend radius	Min 15mm
Outer Jacket	LSZH
Cable colour	See list

Plug (B,C)	
Connector B	RJ45 8P8C + BOOT, Angled Up
Connector C	RJ45 8P8C + BOOT
Contact plating	50µm Gold-plated
Wire Contact	IPC



Cross section

T568B wiring connection

1	1	White/Orange
2	2	Orange
3	3	White/Green
4	4	Blue
5	5	White/Blue
6	6	Green
7	7	White/Brown
8	8	Brown

Length(m)	Black
0.15	DC4930
0.25	DC4952
0.50	DC4900
1.0	DC4901
1.5	DC4951
2.0	DC4902
3.0	DC4903
5.0	DC4905

ACT

Drawn by : ELS

ACT CAT6A U/UTP LSZH Slimline Straight to angled up Patch cord

Item : DC49xx series

Revision : A

Date : 01-12-2023

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.