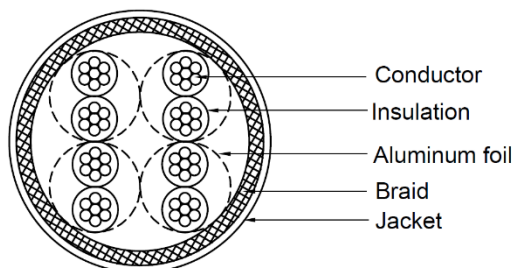


Schema



Product Description

①	Inner Conductor
②	Insulation
③	Aluminum foil
④	Braid
⑤	Jacket

Construction Item Description

Cable Type	Category	CAT8.1
	Structure	S/FTP (PiMF)
	Application	Patch cord raw cable
Conductor	Construction	24AWG 7/0.2mm (+/-0.008mm)
	Material	Bare Stranded Copper
Insulation	Material	Foam-PE
	Outside Diameter	1.4 +/- 0.05mm
	Color	Pair 1: Orange, Orange-White
		Pair 2: Blue, Blue-White
		Pair 3: Green, Green-White
		Pair 4: Brown, Brown-White
Wiring Scheme	Pin definition	TIA 568B
Pair shielding	Material	Aluminum foil
Outside shield	Material	80*0.12 AL-MG wire braiding
Jacket	Material	LSZH
	Outer diameter	7.5mm +/- 0.2mm
	Average thickness	0.6mm (min)
	Color	Black
	Marking Color	Grey
Marking	Jacket	ATZ Patch Cord Category 8.1 S/FTP 24AWG/4PRS 40G Base-T 2000MHz LSZH PIMF VERIFIED To ANSI/TIA/EIA 568.2-D & ISO/IEC 11801 RoHS www.atz.com.sg

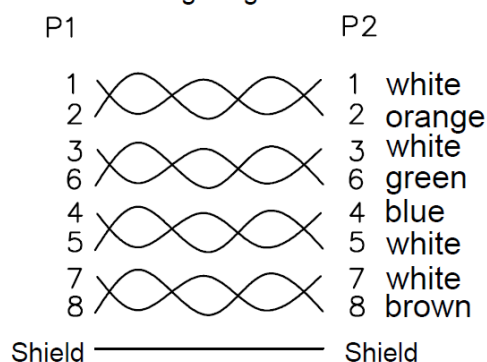
Dimensional Table

Nb pairs	Section	Diameter of	Diameter of insulated conductor (mm)	Minimal thickness of jacket (mm)	Diameter of outer jacket (mm)
	(AWG)	inner conductor (mm)			
4	24	NA	1.4 ± 0.05	0.60	7.5 ± 0.2

Designed in order to reach the electrical and transmission properties of CAT8.1.

Color Table

Wiring Diagram



TIA-T568B

Application

The cable must support class I applications and must be compatible POE, POE+ and UPOE.