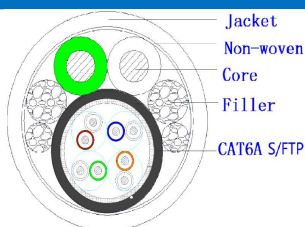


TECHNICAL DATA SHEET

Cable Diagram



Description	
Cable Part Code*	YJ73147
Cable Description	CAT6A 4P24AWG S/FTP PVC + 2CX1.5mm ² PVC PUR
Cable References Standards	ISO/IEC 11801, IEC 61156-6, UL 758, UL1581, Style page 20276, Style page 20554
Lan Cable Certification information	UL AWM 20554(for compound cable)& UL AWM 20276(for Lan Cable)

Conductor		
Conductor Material	Tinned copper	Bare copper
Conductor Size	24AWG	1.5mm ²
Conductor Stranding (No. of Strands/Diameter)	19/0.127mm	30/0.25mm
Conductor Standard		IEC 60228 class 5

Insulation		
No. of Cores/Pairs	4 Pairs	2 Cores
Insulation Material	FMPE	PVC
Nom. Core Diameter (mm)	1.4	2.6
Insulation Color Code & Identification	1.White & Blue 2.White & Orange 3.White & Green 4.White & Brown	Green & White

Individual Shielding		
Shielding Type	Al-Mylar	Unshielded

Overall Shielding		
Shielding Type	Tinned Copper Braid shield	Unshielded
Nom. Wire Diameter(mm)	0.12	
Nom. Braid Coverage	80%	

Inner Jacket/Sheath Material		
Inner Jacket Material	PVC	NA
Nom. Inner Diameter (mm)	8.1	NA

Outer Jacket/Sheath Material		
Outer Jacket Material		PUR
Nom. Overall Diameter (mm)		13.4

Physical/Mechanical Properties		
Occasional movement Temperature range:		-30°C to +60°C
Fixed installation temperature		0°C to +50°C
Flame / Fire Retardancy		IEC 60332-1

Electrical Properties		
Nominal voltage	30V AC	30V AC
Max. Conductor Resistance @ 20°C Ω/KM	95	12.2
Nominal Characteristic Impedance	100 Ohm	
Max. Insertion Loss(Attenuation)	According IEC 61165-6 CAT6A	
4MHz	5.7	
10MHz	8.9	
100MHz	28.7	
250MHz	46.6	
500MHz	67.9	
The Electrical Characteristics of CAT 6A S/FTP according IEC 61165-6		

*Ordering stock code will be created at the time of placing the order and the stock code will include cable part code, outer jacket color & putup length.

Belden Internal Reference Number

SZ-6ASFTP-006

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