

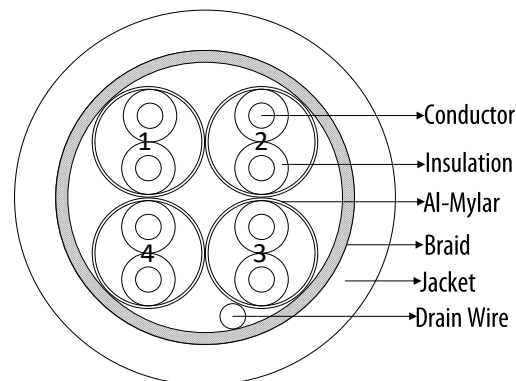
# 4Px26AWG S/FTP CAT6 Patch Cable



PRODUCT DATA SHEET

Individual and collective screened supported excellent EMC performance.  
The cable is used for data transmission with characteristic impedance of 100 Ohm. It is compliant with UL AWM 20276.

**Design Number** 10213  
**Part Number** 32129792  
**Customer Number** N/A



**Color Code:** 1. White/blue, Blue 2. White/orange, Orange  
3. White/green, Green 4. White/brown, Brown

## CONSTRUCTION

**Conductor:** Stranded bare copper  
**Conductor Size:** 26AWG(7/0.16mm)  
**Insulation:** Foamed PE  
**Insulation Diameter:** 0.99mm(Nom.)  
**Individual Screen:** Al-Mylar  
**Braid:** 16/5/0.12mm Tinned Copper, coverage 65%  
**Drain Wire:** 26AWG, Tinned Copper  
**Jacket Material:** PVC, (-40°C to +105°C)  
**Jacket Avg. Thickness:** 0.70mm(Nom.)  
**Overall Diameter:** 6.50±0.20mm  
**Jacket Color:** Black

### Print Legend:

ASCENT E477982 \*\* AWM STYLE 20276 80°C 30V VW-1  
4Px26AWG S/FTP CAT6  
“\*\*” = Factory ID

## PHYSICAL CHARACTERISTICS

**Operating Temperature (°C):** -40°C to +80°C  
**Flame Test:** UL VW-1  
**Min Bending Radius:** 4x OD (fixed); 8xOD(Flexing)  
**Reference Standard:** TIA-568.2-D  
ISO/IEC 11801  
**Jacket:** Oil and Chemical Resistant

## SAFETY CHARACTERISTICS

**Approvals:** UL 758, UL 1581 and AWM UL 20276  
**RoHS Compliant**

## ELECTRICAL CHARACTERISTICS

**Conductor Resistance@20°C:** 145 Ω/km Max  
**Resistance Unbalance@20°C:** 5% Max  
**Insulation Resistance@20°C:** 5000 MΩ.m Min  
**Characteristic Impedance:** 100±15 Ohm  
**Mutual Capacitance (Max.):** 5.6 nF/100m@1kHz  
**Capacitance Unbalance to Ground:** 160 pF/100m Max  
**Delay Skew:** 45 ns/100m  
**Velocity Propagation:** 70%

### Transmission Performance

Freq.	ATT	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT
	Max. dB/100m	Min. dB	Min. dB	Min. dB	Min. dB	Min. dB
4	5.8	23.0	65.3	63.3	55.8	52.8
8	8.1	24.5	60.8	58.8	49.7	46.7
10	9.0	25.0	59.3	57.3	47.8	44.8
16	11.4	25.0	56.2	54.2	43.7	40.7
20	12.8	25.0	54.8	52.8	41.8	38.8
25	14.4	24.2	53.3	51.3	39.8	36.8
31.25	16.1	23.3	51.9	49.9	37.9	34.9
62.5	23.3	20.7	47.4	45.4	31.9	28.9
100	29.9	19.0	44.3	42.3	27.8	24.8
200	43.8	16.4	39.8	37.8	21.8	18.8
250	49.7	15.6	38.3	36.3	19.8	16.8

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Revision History		
00	2020/03/18	Initial release
01	2021/08/08	Update to factory ID
Created L. Jian	Approved A. Huang	

**Bristol** | Unit 61, Gazelle Rd., Weston Industrial Estate, Weston-super-Mare, North Somerset BS24 9ES UK  
**Frankfurt** | Rudolf-Braas-Strasse 2, D-61381 Friedrichsdorf  
**Milwaukee** | 5001 South Towne Dr. New Berlin, WI 53151 USA  
**Suzhou** | B2-2 Weiting Town Industrial - Workshop A, No. 9 Weixin Rd., Suzhou Industrial Park, Jiangsu, China 215122

