

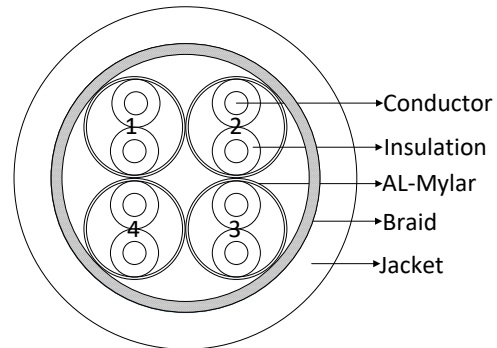
4Px26AWG S/FTP CAT7 Industrial Ethernet Cable



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 10025
Part Number 32130521
Customer Number N/A



Color Code 1. White, Blue 2. White, Orange
3. White, Green 4. White, Brown

CONSTRUCTION

Conductor Stranded Bare Copper
Conductor Size 26AWG(7/0.16mm)
Insulation Foamed PE
Insulation Diameter 1.0mm(Nom.)
Individual Screen AL-Mylar
Braid Tinned Copper, coverage $\geq 65\%$
Jacket Material PVC
Avg. Thickness 0.85mm(Nom.)
Overall Diameter 6.80 ± 0.20 mm
Jacket Color Gray

Print Legend:

ASCENT 4Px26AWG S/FTP CAT7 E477982 CL AWM STYLE
20276 80°C 30V VW-1 xxxxxm

Approvals UL AWM 20276, RoHS

PHYSICAL CHARACTERISTICS

Operating Temperature -40°C to $+80^{\circ}\text{C}$
Flame Test IEC 60332-1
Min Bending Radius 4xOD(fixed)
8xOD(flexing)

ELECTRICAL CHARACTERISTICS

Conductor Resistance@20°C 148 Ω /km Max
Resistance Unbalance@20°C 5% Max
Insulation Resistance@20°C 5000 M Ω .km Min
Dielectric Test DC 1 kV/1min
Transmission Performance IEC 61156-6-CAT 7
Characteristic Impedance 100 $\pm$ 15 Ohm

Freq. MHz	ATT Max. dB/100m	RL Min. dB	NEXT Min. dB	PSNEXT Min. dB	ELFEXT Min. dB	PSELFEXT Min. dB
4	5.6	23.0	78.0	75.0	78.0	75.0
8	7.9	24.5	78.0	75.0	75.9	72.9
10	8.8	25.0	78.0	75.0	74.0	71.0
16	11.1	25.0	78.0	75.0	69.9	66.9
20	12.4	25.0	78.0	75.0	68.0	65.0
25	13.9	24.2	78.0	75.0	66.0	63.0
31.25	15.6	23.3	78.0	75.0	64.1	61.1
62.5	22.3	20.7	75.5	72.5	58.1	55.1
100	28.5	19.0	72.4	69.4	54.0	51.0
200	41.2	16.4	67.9	64.9	48.0	45.0
250	46.5	15.6	66.4	63.4	46.0	43.0
300	51.3	15.6	65.2	62.2	44.5	41.5
500	67.9	15.6	61.9	58.9	40.0	37.0
600	75.1	15.6	60.7	57.7	38.4	35.5

Date	Version	Description	Created By	Approved By
04/12/2019	00	Initial Release	L.JIAN	A.HUANG
03/23/2020	01	Remove the UL information, update jacket color	L.JIAN	A.HUANG
03/31/2020	02	Update jacket color to gray and add part number	L.JIAN	A.HUANG
08/12/2020	03	Update and Add UL information in Print Legend, Add tolerance for outer diameter	L.JIAN	A.HUANG