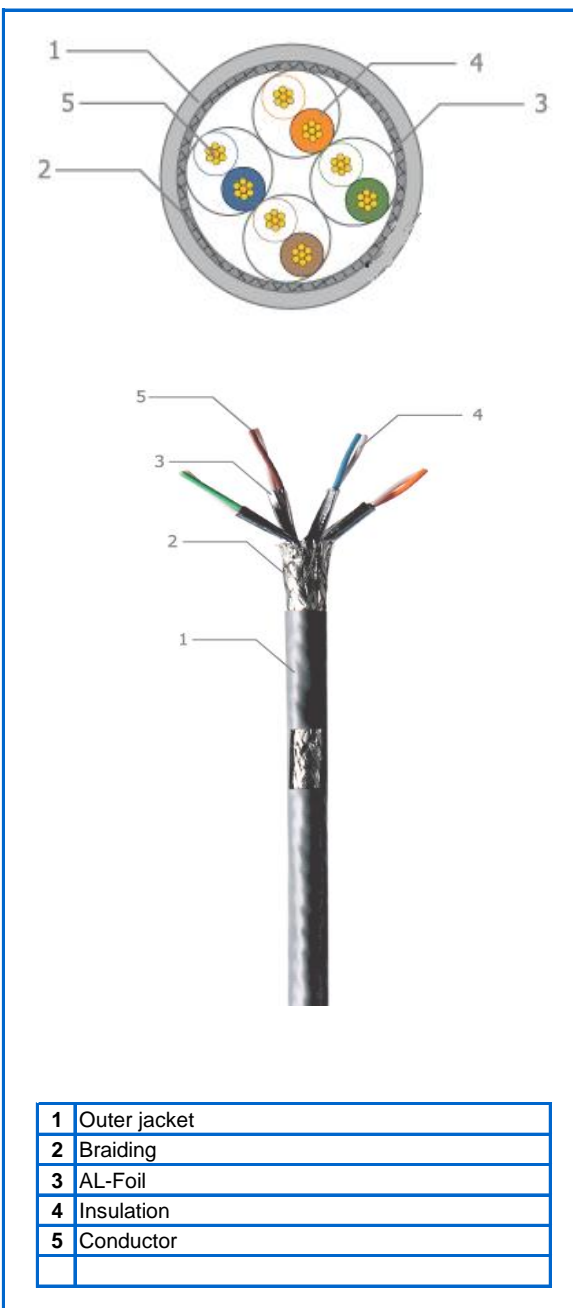


4PR 24AWG S/FTP CAT7 LSZH PATCH CABLE

Description	Application
<ul style="list-style-type: none"> ● Rated temperature: 75°C ● Reference standard: IEC 61156-6,ISO/IEC 11801 ● Product standard certification: ● Flammability Rating:EN 45545-2 ● Stranded Tinned Copper Conductor ● Colour-coded PE insulation ● LSFRZH jacket ● Packaging: Per customer request 	<ul style="list-style-type: none"> ● 100Base-T4 ● 100Base-TX ● 100VG-AnyLAN ● 1000Base-T ● 1000Base-TX ● 155Mbps ATM ● 622Mbps ATM ● 10 Gb Ethernet

Product figure



Physical characteristics

Structure	Construction	S/FTP
	Number of pairs	4 Pairs
Conductor	AWG	24 AWG
	Conductor material	Stranded tinned copper
	Conductor dimension	7/0.20±0.02 mm
Insulation	Insulation material	Foam PE
	Insulation dimension	1.275 ±0.05 mm
	Number colour (pure)	1.White/Blue & Blue
		2.White/Orange & Orange
	3.White/Green & Green	
	4.White/Brown & Brown	
Cabling	Twisting lay length	≤ 30mm
	Cabling lay length	≤ 200mm
Filler	Filler material	N/A
Binder	Binder material	N/A
Shield	Individual shield & material	AL-Foil
	Primary overall shield & material	Tinned Copper Wire
	Shield nominal coverage	35% Nom.
	Drain wire	N/A
Outer jacket	Outer jacket material	LSFRZH
	Outer jacket nominal thickness	1mm
	Overall nominal dimension	8.2 ±0.3mm
	Outer jacket rip cord	N/A
	Outer jacket colour	Per Customer request
Mechanical characteristics	Operating temperature range	-20 °C ~ +75 °C
	Bulk cable weight	70kg/km
	Max. recommended pulling tension	80 N
	Min. bend radius (Install)	8 x O.D.
	Outer jacket tensile strength	≥9 Mpa
	Outer jacket elongation	≥100%
	Outer jacket aging condition	100 °C x 168 hrs
	After aging, Tensile strength	≥ 70% of Unaging
	After aging, Elongation	≥ 50% of Unaging
	Cold bend	No crack (@ -20°C x 4hrs)
Electrical characteristics	Nom. mutual capacitance	≤ 5.6 nF/100m (@1kHz)
	Pair to ground capacitance unbalance	≤160 pF/100m
	Nominal velocity of propagation	65%
	Max. delay skew	25 ns/100m
	Max. conductor DC resistance	145 Ω/km (@ 20 °C)
	Max. Conductor resistance unbalance	2%
Min. insulation resistance	5000 MΩ·km	
Max. operating voltage - UL	300 V	

* Customer configuration is available upon request.

4PR 24AWG S/FTP CAT7 LSZH PATCH CABLE

Marking

TBD.	
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Electrical characteristics

Frequency	Characteristic Impedance Upper limit	Characteristic Impedance Lower limit	ATT	RL	NEXT	PS NEXT	FEXT	PD
(MHz)	Zu (Ω)	Zl (Ω)	(dB/100m)	(dB Min)	(dB Min)	(dB Min)	(dB Min)	(ns/100m Max)
4	115.2	86.8	5.6	23.0	78.0	75.0	70.0	552.0
8	112.6	88.8	7.9	24.5	78.0	75.0	70.0	546.7
10	111.9	89.4	8.8	25.0	78.0	75.0	70.0	545.4
16	111.9	89.4	11.1	25.0	78.0	75.0	70.0	543.0
20	111.9	89.4	12.4	25.0	78.0	75.0	70.0	542.0
25	113.2	88.3	13.9	24.2	78.0	75.0	70.0	541.2
31.25	114.6	87.2	15.6	23.3	78.0	75.0	70.0	540.4
62.5	120.2	83.2	22.3	20.7	75.5	72.5	70.0	538.6
100	125.3	79.8	28.5	19.0	72.4	69.4	70.0	537.6
200	135.7	73.7	41.2	16.4	67.9	64.9	70.0	536.5
250	140.0	71.4	46.5	15.6	66.4	63.4	70.0	536.3
300	139.8	71.5	51.3	15.6	65.2	62.2	70.0	536.1
600	139.8	71.5	75.1	15.6	60.7	57.7	70.0	535.5

Note:1. Cable that meet the requirements of the template are not required to be measured for return loss; alternately cables that meet the return loss requirements are not required to be measured for characteristic impedance.

2.If FEXT loss is greater than 70dB, ACR-F loss may not be measured.

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