

# CAT 6 stranded

## S/FTP 4 PR AWG 26/7



<b>CONDUCTOR</b>	Stranded copper conductor 26 AWG
<b>INSULATION</b>	Foam PE
<b>CONDUCTOR IDENTIFICATION</b>	1. White & Blue 2. White & Orange 3. White & Green 4. White & Brown
<b>PAIR SHIELDING</b>	Aluminium foil
<b>SHIELDING</b>	Tinned copper wire braid
<b>SHEATH</b>	LSZH
<b>REFERENCE STANDARD</b>	IEC 61156-6 & ISO/IEC 11801

### PHYSICAL PROPERTIES:

<b>RATED TEMPERATURE</b>	75°C
<b>OPERATING TEMPERATURE RANGE</b>	-20°C - 75°C
<b>BENDING RADIUS</b>	Installation 8 x diameter
<b>MAX. RECOMMENDED PULLING TENSION</b>	80 N
<b>OUTER DIAMETER</b>	6.1±0.3mm
<b>CABLE WEIGHT</b>	37 kg/km

### ELECTRICAL PROPERTIES:

<b>MAX. CONDUCTOR DC RESISTANCE</b>	145 Ω/km @20 °C
<b>CONDUCTOR LOOP RESISTANCE</b>	max. 29 Ω/100 m @20 °C
<b>NOM. MUTUAL CAPACITANCE</b>	≤5.6 nF/100 m @1 kHz
<b>CAPACITANCE UNBALANCE PAIR TO GROUND</b>	≤1600 pF/km @1 kHz
<b>MIN. INSULATION RESISTANCE</b>	5000 MΩ/m
<b>IMPEDANCE</b>	100±25 Ω @100 MHz
<b>FIRE PERFORMANCE</b>	IEC 60332-1 IEC 60332-3-22
<b>IDENTIFICATION</b>	Printed on the sheath: Manufacturer's name, Cable size and type, Fire performance, Lot number, Manufacturing date, Meter marking
<b>PACKAGING</b>	500 m drum

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### ITEM NUMBERS:

Part number	Item description	Colour
3370149072	S/FTP-CAT6, AWG26/7 500m	Black
3370249072	S/FTP-CAT6, AWG26/7 500m	Yellow
3370349072	S/FTP-CAT6, AWG26/7 500m	Grey
3370449072	S/FTP-CAT6, AWG26/7 500m	White
3370549072	S/FTP-CAT6, AWG26/7 500m	Orange
3370649072	S/FTP-CAT6, AWG26/7 500m	Blue
3370749072	S/FTP-CAT6, AWG26/7 500m	Red
3370849072	S/FTP-CAT6, AWG26/7 500m	Green

### PERFORMANCE:

F (MHz)	ATT (dB/100 m)	RL (dB)	NEXT (dB)	PS NEXT (dB)	ACRF (EL FEXT) (dB/100 m)	PS ACRF (PS EL FEXT) (dB/100 m)	PD (ns/100 m)
1.0	2.6	34	91	84	92	89	485
4.0	4.9	33	93	85	90	87	463
8.0	7.0	35	93	88	93	90	457
10.0	7.7	38	104	97	102	99	455
16.0	9.8	34	110	103	107	104	452
20.0	11.1	34	107	101	108	105	451
25.0	12.5	39	114	107	111	108	450
31.2	14.1	39	110	104	111	108	449
62.5	20.2	40	112	106	114	111	447
100.0	25.9	43	113	107	118	115	445
200.0	36.9	35	111	103	111	108	444
250.0	41.4	28	109	103	109	106	443
300.0	45.7	29	109	103	112	109	443
400.0	53.3	38	108	101	112	109	443
500.0	60.1	31	110	97	110	107	443
600.0	66.2	27	111	102	111	108	442

**F** = Frequency

**ATT** = Attenuation

**RL** = Return Loss

**NEXT** = Near End Crosstalk

**PS NEXT** = Power Sum Near End Crosstalk

**ACRF (EL FEXT)** = Attenuation to Crosstalk Ratio Far End Crosstalk

**PS ACRF (PS EL FEXT)** = Power Sum Attenuation to Crosstalk Ratio Far End Crosstalk

**PD** = Phase Delay