

# CAT 7

## S/FTP 4 PR AWG 26/7



<b>CONDUCTOR</b>	Stranded tinned copper conductor 26 AWG/7
<b>INSULATION</b>	Foam PE
<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>BENDING RADIUS (Installation)</b>	8 x Ø
<b>MAX. RECOMMENDED PULLING TENSION</b>	80 N
<b>NOMINAL OUTER Ø</b>	6.4 ± 0.3 mm
<b>CABLE WEIGHT</b>	39 kg/km
<b>CORE IDENTIFICATION Pair colours</b>	1. White/Blue stripe & Blue 2. White/Orange stripe & Orange 3. White/Green stripe & Green 4. White/Brown stripe & Brown
<b>PACKAGING</b>	500 m drum, 1000 m drum

### MAIN CHARACTERISTICS:

<b>FIRE PERFORMANCE</b>	IEC 60332-1 IEC 60332-3-22
<b>HALOGEN-FREE</b>	IEC 60754 series
<b>SMOKE EMISSION</b>	IEC 61034 series
<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>RATED TEMPERATURE</b>	75 °C
<b>OPERATING TEMPERATURE RANGE</b>	-20 °C - 75 °C

Subject to change without prior notice. See latest update on our webpage.

© 2022 Helkama Bica Oy. All rights reserved.

## ITEM NUMBERS:

Part number	Cable type	Colour	Standard length m
3360149042	CAT 7 S/FTP AWG 26/7	Black	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Yellow	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Grey	500 m
3360149042	CAT 7 S/FTP AWG 26/7	White	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Orange	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Blue	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Red	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Green	500 m
3360149042	CAT 7 S/FTP AWG 26/7	Black	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Yellow	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Grey	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	White	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Orange	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Blue	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Red	1000 m
3360149042	CAT 7 S/FTP AWG 26/7	Green	1000 m

## 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)
4.0	4.9	32	107	95	117	-	463
8.0	6.8	32	107	98	107	-	457
10.0	7.6	35	105	96	100	-	456
16.0	9.6	34	104	95	116	-	453
20.0	10.8	43	117	98	106	-	452
25.0	12.2	40	115	100	103	-	451
31.2	13.7	39	107	100	108	-	450
62.5	19.7	42	114	102	113	-	447
100.0	25.1	39	102	100	109	-	446
200.0	35.9	37	111	104	102	-	445
250.0	40.1	33	104	99	112	-	444
300.0	44.3	33	114	101	109	-	444
600.0	63.9	27	102	93	106	-	443

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

**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