

CAT 7

S/FTP 4 PR AWG 26/7



CONDUCTOR	Stranded tinned copper conductor 26 AWG/7
INSULATION	Foam PE
PAIR SHIELDING	Aluminium foil
SHIELDING	Tinned copper wire braid
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-6 & ISO/IEC 11801

PHYSICAL PROPERTIES:

BENDING RADIUS (Installation)	8 x Ø
MAX. RECOMMENDED PULLING TENSION	80 N
NOMINAL OUTER Ø	6.4 ± 0.3 mm
CABLE WEIGHT	39 kg/km
CORE IDENTIFICATION Pair colours	1. White/Blue stripe & Blue 2. White/Orange stripe & Orange 3. White/Green stripe & Green 4. White/Brown stripe & Brown
PACKAGING	500 m drum, 1000 m drum
MARINE TYPE APPROVALS	DNV, LR, RINA

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	IEC 60332-1 IEC 60332-3-22
UV RESISTANCE (Black or grey cables only)	UL1581 section 1200
HALOGEN-FREE	IEC 60754 series
SMOKE EMISSION	IEC 61034 series
MAX. CONDUCTOR DC RESISTANCE	145 Ω/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 29 Ω/100 m @20 °C
NOM. MUTUAL CAPACITANCE	≤ 5.6 nF/100 m @1 kHz
CAPACITANCE UNBALANCE PAIR TO GROUND	≤ 1600 pF/km @1 kHz
MIN. INSULATION RESISTANCE	5000 MΩ/m
IMPEDANCE	100 ± 25 Ω @100 MHz
RATED TEMPERATURE	75 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C

ITEM NUMBERS:

Part number	Cable type	Colour	Standard length m
3360149042	CAT 7 S/FTP AWG 26/7	Black	500
3360249042	CAT 7 S/FTP AWG 26/7	Yellow	500
3360349042	CAT 7 S/FTP AWG 26/7	Grey	500
3360449042	CAT 7 S/FTP AWG 26/7	White	500
3360549042	CAT 7 S/FTP AWG 26/7	Orange	500
3360649042	CAT 7 S/FTP AWG 26/7	Blue	500
3360749042	CAT 7 S/FTP AWG 26/7	Red	500
3360849042	CAT 7 S/FTP AWG 26/7	Green	500
3361149042	CAT 7 S/FTP AWG 26/7	Black	1000
3361249042	CAT 7 S/FTP AWG 26/7	Yellow	1000
3361349042	CAT 7 S/FTP AWG 26/7	Grey	1000
3361449042	CAT 7 S/FTP AWG 26/7	White	1000
3361549042	CAT 7 S/FTP AWG 26/7	Orange	1000
3361649042	CAT 7 S/FTP AWG 26/7	Blue	1000
3361749042	CAT 7 S/FTP AWG 26/7	Red	1000
3361849042	CAT 7 S/FTP AWG 26/7	Green	1000

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