

**C6A-S-26S4-F-XXX-RD**

HYBRIFLEX® CAT6 Assembly; 4 pairs AWG 26; Red Color

 C6-S-26S4-F-XXX Pic 1.png

Technical Features

GENERAL SPECIFICATIONS

Insulation Material	Foamed PE
Insulation Outer Diameter	1,05 mm
Quantity of Copper wire pairs	4 pair with PE cross
Cable Outer Diameter	6,2 mm
Cable Jacket Material	Flame-retardant LSZH
Connector	RJ45 plug

ELECTRICAL AND MECHANICAL SPECIFICATIONS

Conductor Resistance	$\leq 5 \Omega$
Insulation Resistance	$\geq 10 M\Omega$
Insulation Resistance by mated connectors	$> 500 M\Omega$
Insulation Resistance by mated	$\geq AC 1000 V$
Characteristic Impedance	$100 \pm 15 \text{ Ohm @ } 1\text{-}250\text{MHz}$
Contact Resistance	20 mOhm max.
Resistance Unbalance	2 % max
Voltage Rating	75 V AC max.
Dielectric Strength	1000 volts /1 minute min rms
Ampacity	1.0 Amps max
Coupling Attenuation	40 dB min @30-100 MHz 40-20 log (f/100)@100-250 MHz
Durability	≥ 1200 matching cycles
Cable to plug Tensile Strength	9 Kgf (90N) min
Pulling Force	1 Kgf (10N) max
Performance Test	100 % Component tests by FLUKE 500

ENVIRONMENTAL SPECIFICATIONS

Operation Temperature	-25°C to 60°C (-13°F to 140°F)
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TRANSFER PERFORMANCE

FREQ, MHz	RL, dB Min	NEXT, dB Min	PSNEXT, dB Min	ELFEXT, dB Min	PSELFEXT, dB Min	PD
1,0	20,0	74,3	72,3	67,8	64,8	570
4,0	23,0	65,3	63,3	55,8	52,8	552
8,0	24,5	60,8	58,8	49,7	46,7	547
10,0	25,0	59,3	57,3	47,8	44,8	545
16,0	25,0	56,2	54,2	43,7	40,7	543
20,0	25,0	54,8	52,8	41,8	38,8	542
25,0	24,2	53,3	51,3	39,8	36,8	541
31,25	23,3	51,9	49,9	37,9	34,9	540
62,5	20,7	47,4	45,4	31,9	28,9	539
100,0	19,0	44,3	42,3	27,8	24,8	538
200,0	16,4	39,8	37,7	21,8	18,8	537
250,0	15,6	38,3	36,3	19,8	16,8	536
300,0	14,9	37,1	35,1	18,3	15,3	536
400,0	13,8	35,3	33,3	15,8	12,8	536
500,0	13,0	33,8	31,8	13,8	10,8	536