

Cat. 7 S/FTP CU LSZH solid cable 500m. white CPR B2ca

CASF7LB5

PRODUCT DESCRIPTION

• Standard Reference:

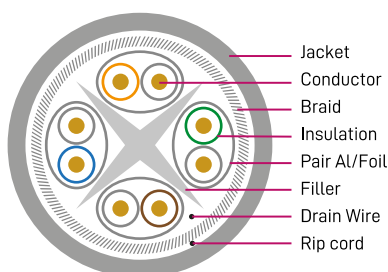
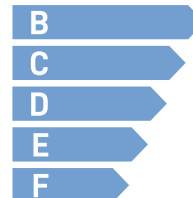
ISO/IEC 11801:2011
IEC 61156-5:2012
EN 13501-6
EN 50173-1:2011
EN 50173-2:2007 including amendment A1:2010
EN 50288-9-1:2012
EN 50288-4
EN 50575:2014+A1:2016
EN 60332-1[1,2], 60332-3C, 60754-[1,2], 61034-[1,2]
ANSI/TIA-568-6-2:2009

- **Rated temperature:** 90°C
- **Installation temperature:** -30°C~+50°C
- RoHS/REACH complied

• Application:

VoIP, ISDN
Token, 100M TP-PDM
Analog and Data Video
TR-16 Active and Passive
115M/662m/1.2GATM
IEEE802.3: 100Base, 100Base-T, 1GBase-T

CRP Class:



CABLE CONSTRUCTION

Conductor	Material	SOLID Bare Copper
	Nom.O.D (mm)	0.560 ± 0.005mm . 23AWG
Insulation	Material	HPDE
Insulation Diam. ø		1.06 ± 0.02mm
Pair Screening material	Aluminum Foil	Drain wire
All over Screening material	Tinned copper 0.10mm Braid	Coverage ≥ 40%
Sheath	Thickness	0.55 ± 0.05mm
	External O.D	7.8 ± 0.5mm
	Surface	Clean
	Material	LSZH-RoHS
	Jacket Color	White: RAL 9016 ○
Surface Printing	Letter Height	3.0 ± 0.3mm
	Color	Black
	Print error & Space	≤ ± 0.5%, 1m
Code Color	1 White/Blue	2 White/Orange
	3 White/Green	4 White/Brown
Packing	1 Wooden drum	

Dimension-Weight	50x50x24cm - 59Kg/Km
Packing Length	500 ± 1.0m
Sheath Physical Properties	Before Aging Tensile Strength (Mpa) ≥ 10.0 Elongation (%) ≥ 125 Aging Period(°C×hrs) 10°C×24h×7d After Aging Tensile Strength (Mpa) ≥ 8 Elongation (%) ≥ 100 Cold bend (-20±2°C4h) 8×Cable O.D No visible cracks
	Impedance(Ω): (1-100MHz) 100 ± 15Ω (100MHz) 100 ± 15Ω
Electrical Characteristics (20°C)	Delay Shew (ns/100m) ≤ 25
	Velocity of Propagation(%) 74
	Unbalanced-to-ground capacitance (pf/100m) max 30
	DC Resistance(Ω/100m) max 93.8 (20°)
	DC Conductor Resistance Unbalanc (%) max 2.0

TECHNICAL PERFORMANCE (100m)

Frequency RL (MHz)	Return loss (dB)	ATT ≤dB	NEXT ≤dB	PSNEXT ≤dB	ELFEXT ≤dB	PSSELFEXT ≤dB
1	20.0	2.0	78.0	75.0	78.0	75.0
4.0	23.0	3.74	78.0	75.0	78.0	75.0
10.0	25.0	5.86	78.0	75.0	74.0	71.0
16.0	25.0	7.41	78.0	75.0	69.9	66.9
20.0	25.0	8.29	78.0	75.0	68.0	65.0
31.25	23.6	10.41	78.02	75.0	64.1	61.1
62.5	21.5	14.88	75.5	72.5	58.1	55.1
100	20.1	19.80	72.4	69.4	54.0	51.0
200	18.0	27.47	67.9	64.9	48.0	45.0
250	17.3	30.97	66.4	63.4	46.0	43.0
300	17.3	34.19	65.2	62.2	44.5	41.5
400	17.3	40.0	63.4	60.4	42.0	39.0
500	17.3	45.30	61.9	58.9	40.0	37.0
600	17.3	50.10	60.7	57.7	38.4	35.4

Ideal Technology has a policy of continuous improvement. Specifications are subject to change without notice.