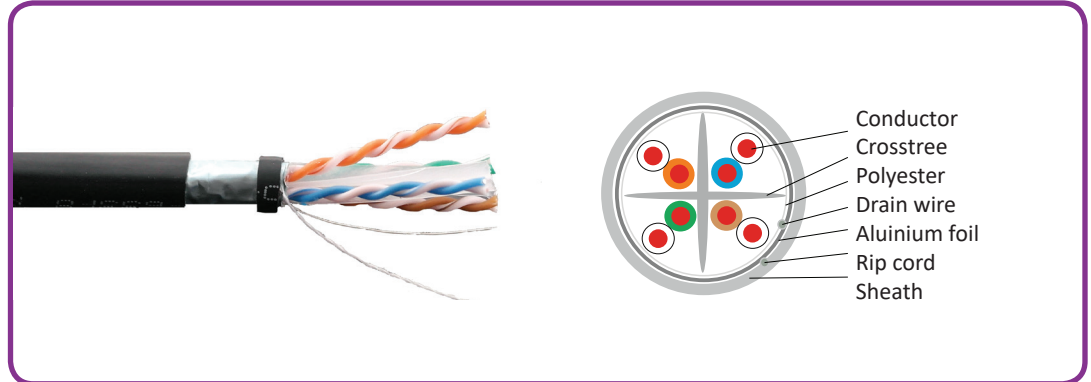


TD-655FU-NB5

Four shielded 23AWG twisted pairs with crosstree. Optimal for transmission of voice, data and images to 250MHz and a speed of 1Gbps.

Built with PE-UV sheath with high abrasion resistance and particularly suitable for outdoor installations. The aluminum polyester screen improves noise immunity.

Cable Cat6 F/UTP BC 23AWG 250MHz PE-UV Black



Technical specifications

Structural and mechanical characteristics	Construction		F/UTP
	Conductor	AWG	23 AWG - 0.565 ± 0.005 mm
		Material	BC
	Insulation	Material	HDPE
		Diameter	1.08 ± 0.02mm
	Screen	Material	Polyester tape + Aluminium foil
	Outer jacket	Material	PE-FR-UV
		Thickness	0.60 ± 0.05 mm
		Outer diameter	7.4 ± 0.4 mm
		Color	Black RAL 9005
	Crosstree		Yes
	Rip cord		Yes
	Drain wire		Tinned copper 0.4mm

Electrical specifications	Frequency Range		1 - 250	MHz
	Impedance		100 ± 15	Ω
	Nom. Mutual Capacity		≤ 5.1nF / 100m	@ 1kHz
	Maximum capacity unbalanced		≤ 330pF / 100m	pF/100m
	DC Resistance (maximum)		9.38	20°C Ω/100m
	Nominal Velocity of Propagation (NVP)		68	% v.l.
	Delay skew		≤ 45	20°C Ω/100m

Color code	Pair 1		Blue	Blue-White	
	Pair 2		Orange	Orange-White	
	Pair 3		Green	Green-White	
	Pair 4		Brown	Brown-White	

TD-655FU-NB5

Frequency (MHz)	Input impedance (Ohms)	RL (dB)	ATT (dB/100m) (dB/100m)	NEXT (dB/100m) (dB/100m)	PSNEXT (dB/100m) (dB/100m)	ELFEXT (dB/100m) (dB/100m)	PSELFEXT (dB/100m) (dB/100m)	Delay (ns/100m) (ns/100m)
1	100±15	20.0	1.9	74.0	72.3	68.0	65.0	570.0
4	100±15	23.0	3.7	65.0	63.3	56.0	53.0	552.0
8	100±15	24.5	5.3	60.7	48.8	49.9	46.9	546.7
10	100±15	25.0	5.9	59.0	57.3	48.0	45.0	545.4
16	100±15	25.0	7.5	56.0	54.2	43.9	40.9	543.0
20	100±15	25.0	8.4	55.0	52.8	42.0	39.0	542.0
25	100±15	24.3	9.5	53.3	41.3	40.0	37.0	541.2
31.25	100±15	23.6	10.6	52.0	49.9	38.1	35.1	540.4
62.5	100±15	21.5	15.4	47.0	45.4	32.1	29.1	538.6
100	100±22	20.1	19.8	44.0	42.3	28.0	25.0	537.6
200	100±22	18.0	29.0	40.0	37.8	22.0	19.0	536.5
250	100±22	17.3	32.8	38.0	36.3	20.0	17.0	536.3

Mechanical and environmental Specifications	Parameter		Value		Method
	Minimum bend radius (dynamic-installation)		mm	8 x Ø	IEC61156
	Flame propagation FR		✓		IEC60332-1-2
	UV stabilizer		✓		IEC61156
	Operating temperature range		°C	-20 ~ 75	

Packing		Wooden reel 500mts	
Weight	kg	30,03 Kg	



Normative

EIA/TIA 568-C.2, ISO/IEC 11801:
EN 50173-1:2011, IEC60332-1-2,
IEC61156



Edition: 3 / February 2017
Features and specifications subject to change without notice.