

## Cat6 Solid Conductor FTP Shielded Cable

Y8553 Series Bulk Cable



### FEATURES

FTP (Foil Twisted Pair) Cat6 cable for premises wiring and applications where shielded cable is required. 4 twisted pairs with OFC solid bare copper conductors suitable for IDC terminations to patch panels and wall jacks. Conductors are wrapped with aluminium foil shield and Mylar tape. Tinned drain wire. Available on durable 305 metre reels. Count-down metre-marking.

CAT#	COLOUR	LENGTH	PACKING
Y8553BLU	Blue	305 Metre	Reel
Y8553PNK	Pink	305 Metre	Reel
Y8553RED	Red	305 Metre	Reel

### REGULATORY COMPLIANCE



Y8553 SERIES COMMUNICATIONS CABLE – FTP CAT-6 ISO/IEC 11801 & TIA/EIA 568C.2  
VERIFIED-23AWG X 4P SOLID

To view Access' extensive ranges go to: [www.accesscomms.com.au](http://www.accesscomms.com.au)

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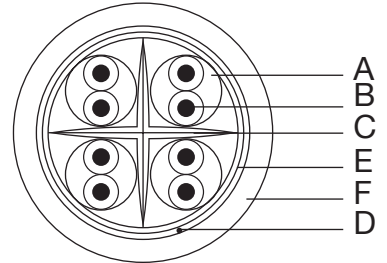
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### DESIGN & CONSTRUCTION

ITEM	DESCRIPTION	COLOUR	SPECIFICATION	MATERIALS
A	Conductor	Copper	AWG 23 8/0.585 (+/- 0.005)mm	OFC Bare Copper
B	Insulation	Orange/White with Orange, Blue/White with Blue, Green/White with Green, Brown/White with Brown	Average Thickness (0.218 mm) Minimum Point Thickness (0.198 mm) Diameter (±0.01mm) 1.02 Twisted Pair Diameter (±0.01mm) 2.04	PE
C	Separator			LDPE
D	Drain wire		Thickness 0.40mm	Tinned Copper
E	Shielding			Aluminium Foil
F	Jacket		Average Thickness (0.65 mm) Minimum Point Thickness (0.60 mm) Outer Diameter (±0.30mm) 8.0	PVC

FREQUENCY (MHZ)	RETURN LOSS (Min dB)	ATTENUATION (Max dB/100m)	NEXT (Min dB)	PS NEXT (Min dB)	EL FEXT (Min dB)	PS EL FEXT (Min dB)	DELAY (Max dB/100m)	IMPEDANCE (Ohm)
1	20	2.1	74.3	72.3	67.8	64.8	570	
4	23	3.8	65.3	63.3	55.8	52.8	552	
8	24.5	5.3	60.8	58.8	49.7	46.7	547	
10	25	5.9	59.3	57.3	47.8	44.8	545	
16	25	7.5	56.2	54.2	43.7	40.7	543	
20	25	8.4	54.8	52.8	41.8	38.8	542	
25	24.3	9.4	53.3	51.3	39.8	36.8	541	100±15
31.25	23.6	10.5	51.9	49.9	37.9	34.9	540	
62.50	21.5	15	47.4	45.4	31.9	28.9	539	
100	20.1	19.1	44.3	42.3	27.8	24.8	538	
200	18	27.6	39.8	37.8	21.8	18.8	537	
250	17.3	31.1	38.3	36.3	19.8	16.8	536	
300	16.8	34.3	37.1	35.1	18.3	15.3	536	
400	15.9	40.1	35.3	33.3	15.8	12.8	536	

### ELECTRICAL PROPERTIES

Resistance U balance	≤ 5
Conductor Resistance	Max 68.5 (Ω/km) at 20°C
Temperature rating (°C)	75
Voltage rating (V)	30
NVOP	69%
1.0 ~ 2-50.0MHz Delay Skew (ns/100m)	≤ 45

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