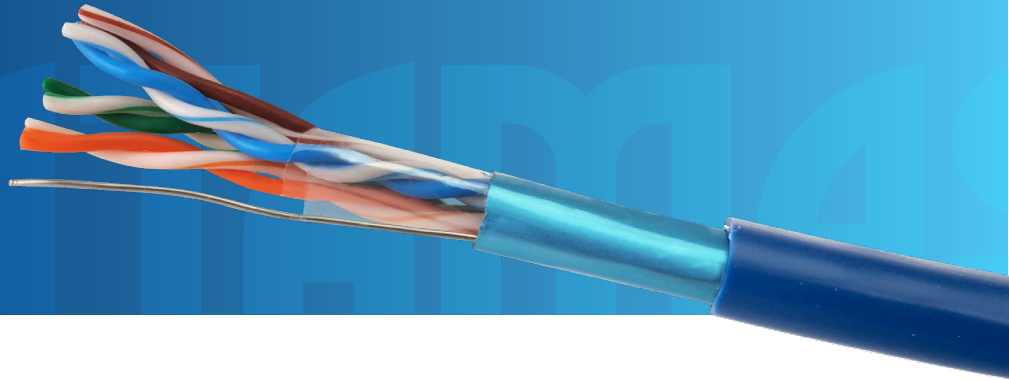


## Cat5e Solid Conductor FTP Shielded Cable

Y8453 Series Bulk Cable



### FEATURES

Quality Cat-5e Cable with Solid Conductors – Shielded, available in 2 colours. FTP (Foil Twisted Pair) cable made from 100% solid bare copper. 4 twisted pairs 24AWG with solid copper conductors. Conductors are wrapped with aluminium foil shield and Mylar tape. Tinned drain wire. Count down metre marking. Available in 305 metres..

Cat-5e cables are of the utmost importance to ensure data integrity. Cat-5e ethernet cable has the capability to support up to 100Mbps @ 100MHz. It also reduces the amount of crosstalk between the wires within the cable, resulting in a greater overall transmission speed. Shielded Cable is useful for environments where proximity to RF equipment may introduce electromagnetic interference, and can also be used where eavesdropping likelihood should be minimized.

**Application:** Suitable for premises wiring, IDC terminations to patch panels and wall jacks, telephony & video.

| CAT#     | COLOUR | LENGTH    | PACKING |
|----------|--------|-----------|---------|
| Y8453BLU | Blue   | 305 Metre | Reel    |
| Y8453PNK | Pink   | 305 Metre | Reel    |

### REGULATORY COMPLIANCE



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

**Sydney (Head Office)**

**Brisbane Office**

**Melbourne Office**

**Adelaide Office**

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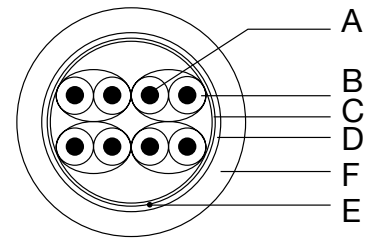
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[adelaide@accesscomms.com.au](mailto:adelaide@accesscomms.com.au)

## Cat5e Solid Conductor FTP Shielded Cable

Y8453 Series Bulk Cable

### DESIGN & CONSTRUCTION



| ITEM | DESCRIPTION      | COLOR  | SPECIFICATION                       | MATERIALS                 |
|------|------------------|--|-------------------------------------|---------------------------|
| A    | Conductor        | Copper   | 1/0.511 (+/- 0.008)mm               | Bare Copper               |
| B    | Insulation       | Orange/White, Blue/White, Green/White, Brown/White | 0.24mm thickness, 0.98 (+/- 0.05)mm | HDPE                      |
| C    | Protective Layer | Transparent  | 100% coverage with 25% overlapping  | Mylar                     |
| D    | Shielding        |  | 100% coverage with 25% overlapping  | AL Mylar                  |
| E    | Drain Wire       |  | 1 / 0.40 (+/- 0.008)mm              | Aluminium Magnesium Metal |
| F    | Jacket           | Various  | 0.55mm thickness, 6.0 (+/- 0.30)mm  | FR-PVC                    |

| FREQUENCY (MHZ) | ATTENUATION (+/-15%dB) | RL (9dB) | NEXT WORST PAIR (dB) | IMPEDANCE (Ohm) |
|-----------------|------------------------|----------|----------------------|-----------------|
| 1.00            | 2.4                    | 20.0     | 65.3                 |                 |
| 4.00            | 4.9                    | 23.0     | 56.3                 |                 |
| 8.00            | 6.9                    | 24.5     | 51.8                 |                 |
| 10.00           | 7.8                    | 25.0     | 50.3                 | 100±15          |
| 16.00           | 9.9                    | 25.0     | 47.3                 |                 |
| 20.00           | 11.1                   | 25.0     | 45.8                 |                 |
| 25.00           | 12.5                   | 24.2     | 44.3                 |                 |
| 31.25           | 14.1                   | 23.3     | 42.9                 |                 |
| 62.50           | 20.4                   | 20.7     | 38.4                 |                 |
| 100.00          | 26.4                   | 19.0     | 35.3                 |                 |

### ELECTRICAL PROPERTIES

|                         |                                |
|-------------------------|--------------------------------|
| Insulation Resistance   | Min. 5000 mega ohms-km at 20°C |
| Dialectic Test          | 1000V DC/1-min                 |
| Temperature rating (°C) | 60                             |
| Voltage rating (V)      | 30                             |

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