

Cat6 Solid Conductor FTP Gel-filled Cable

Y8486-Bulk Cable

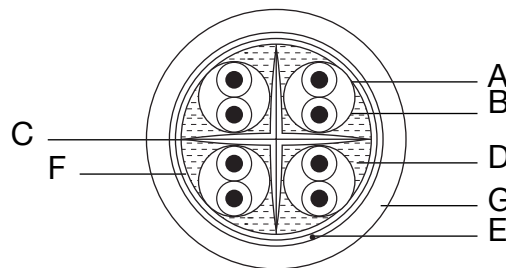


FEATURES

Cat6 cable for outdoor and underground burial. UV stabilised ,gel-filled jacket to prevent water ingress. 4 twisted pairs with shielding, solid copper conductors suitable for IDC terminations. Supplied on 300 metre reels. Count-down metre-marking.

| CAT# | COLOUR | LENGTH | PACKING |
|-----------|--------|-----------|---------|
| Y8486-300 | Black | 300 Metre | Reel |

DESIGN & CONSTRUCTION



| ITEM | DESCRIPTION | COLOUR | SPECIFICATION | MATERIALS |
|------|-------------|---|--|----------------|
| A | Conductor | Copper | AWG 23 0.574 (+/- 0.010)mm | 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 (±0.013mm) 1.05 Twisted Pair Diameter (±0.01mm) 2.04 | PE |
| C | Separator | | | LDPE |
| D | Filler | | | Polyacrylate |
| E | Drain wire | | Thickness 0.40mm | Tinned Copper |
| F | Shielding | | | Aluminium Foil |
| G | Jacket | | Average Thickness (0.65 mm) Minimum Point Thickness (0.60 mm) Outer Diameter (±0.30mm) 8.0 | PVC UV |

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| 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 | 2.0 | 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 | 6.0 | 59.3 | 57.3 | 47.8 | 44.8 | 545 | |
| 16 | 25 | 7.6 | 56.2 | 54.2 | 43.7 | 40.7 | 543 | |
| 20 | 25 | 8.5 | 54.8 | 52.8 | 41.8 | 38.8 | 542 | |
| 25 | 24.3 | 9.5 | 53.3 | 51.3 | 39.8 | 36.8 | 541 | 100±15 |
| 31.25 | 23.6 | 10.7 | 51.9 | 49.9 | 37.9 | 34.9 | 540 | |
| 62.50 | 21.5 | 15.4 | 47.4 | 45.4 | 31.9 | 28.9 | 539 | |
| 100 | 20.1 | 19.8 | 44.3 | 42.3 | 27.8 | 24.8 | 538 | |
| 200 | 18 | 29.0 | 39.8 | 37.8 | 21.8 | 18.8 | 537 | |
| 250 | 17.3 | 32.8 | 38.3 | 38.3 | 19.8 | 16.8 | 536 | |

ELECTRICAL CHARACTERISTICS

| | |
|-----------------------|-----------------------------|
| Insulation resistance | Min 5000 (MΩ-KM) at 20°C |
| Dielectric test | 1000V DC/1 min no breakdown |
| Temperature rating | 60°C |
| Voltage rating | 30V |

REGULATORY COMPLIANCE



BEND RADIUS

The minimum bend radius is 57.4mm.

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