

## CAT6e SHEILDDED NETWORK CABLE

- S/FTP CAT6 • 23AWG
- 4 PAIR • 8 CORE • CCA

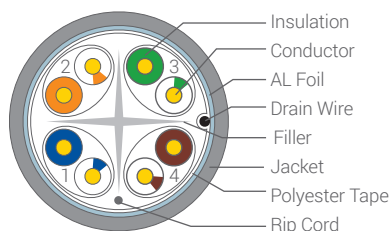
CRG-CAT6-FTP/305

IDEAL FOR: HDMI / Multimedia over Cat6e distribution, IP Cameras and Security Networks



### Description:

- Rated temperature: 70°C
- Reference standard: EIA/TIA 568B 2-1& ISO/IEC 11801, IEC 61163
- Solid conductor
- PVC jacket
- Packing: Reel in box



### CRG-CAT6-FTP/305 - Specifications

| STRUCTURE                             |                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------|
| Construction                          | FTP                                                                                                  |
| Number of Pairs                       | 4 Pair                                                                                               |
| AWG                                   | 23 AWG                                                                                               |
| Conductor Dimensions                  | 1/0.573 ± 0.01mm                                                                                     |
| Solid / Stranded                      | Solid                                                                                                |
| CCA / Tinned                          | CCA                                                                                                  |
| INSULATION                            |                                                                                                      |
| Insulation Material                   | HD-PE                                                                                                |
| Insulation Dimensions                 | 1.05 ± 0.05mm                                                                                        |
| Number colour (Ring or Strip Marking) | 1. white/blue & blue<br>2. white/orange & orange<br>3. white/green & green<br>4. white/brown & brown |
| Cross Filler                          | Yes                                                                                                  |
| SHIELD                                |                                                                                                      |
| Shield & Material                     | Yes (AL Foil)                                                                                        |
| Drain Wire                            | Yes (0.4mm TC)                                                                                       |
| OUTER JACKET                          |                                                                                                      |
| Jacket Material                       | PVC                                                                                                  |
| Ripcord                               | no                                                                                                   |
| Overall Nominal Dia.                  | 6.5 ± 0.2mm                                                                                          |
| MECHANICAL CHARACTERISTICS            |                                                                                                      |
| Operating Temperature                 | -30° ~ 60°C                                                                                          |
| Bulk Cable Weight                     | 32Kg                                                                                                 |
| Max. Recommended Pulling Tension      | 100N                                                                                                 |
| Min. Bend Radius (Install)            | 10 x O.D.                                                                                            |
| Flame Test                            | FCA                                                                                                  |
| ELECTRICAL CHARACTERISTICS            |                                                                                                      |
| Nom. Mutual Capacitance @ 1kHz        | ≤ 5.6nF / 100m                                                                                       |
| Max. Capacitance                      | ≤ 160pF / 100m (per IEC 61156)                                                                       |
| Unbalance (pF/100m)                   | ≤ 330pF/100m (per TIA/EIA-568C)                                                                      |
| Nominal Velocity                      | 70%                                                                                                  |
| Propagation                           |                                                                                                      |
| Max. Delay Skew (ns/100m)             | ≤ 45ns / 100m                                                                                        |
| Max. Conductor DC Resistance @ 20°C   | ≤ 12Ω / 100m                                                                                         |
| Max DC Resistance                     | ≤ 2%                                                                                                 |
| Unbalance @ 20°C                      |                                                                                                      |
| Max. Insulation Resistance (M Ω/km)   | 5000                                                                                                 |
| Max. Operating Voltage ULF            | 300V                                                                                                 |