

Coax4 CT 22 S (2.2/8.8)

CATV Trunk Cable



Application

CATV cables are used in trunk lines of CATV and broadband networks between headend and subscriber termination point. They are suitable for direct buried and duct laying.

Standards

Screening Class A++ acc. to EN 50117-2-3,
further EN 50083-2/A1, EN 50117-1

Flame resistance

Construction

| | |
|-----------------|---|
| Inner conductor | bare copper wire, diameter 2.2 mm |
| Insulation | gas injected foam PE, diameter 8.8 mm |
| Outer conductor | welded copper tube, diameter 9.5 mm |
| Sheath | PE, diameter 12.3 ± 0.3 mm black |
| Printing | DRAKA COAX4 CT 22 S + batch number + meter marking |

Mechanical properties

| | | |
|------------------------|---------------------|------------------------------|
| Minimum bending radius | without load | 25 x D (D= outer diameter) |
| | with load | 40 x D (D= outer diameter) |
| Temperature range | during operation | - 40° C to + 70° C |
| | during storage | - 40° C to + 70° C |
| | during installation | - 5° C to + 60° C |

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Electrical properties

at 20°C

| | | |
|--------------------------|-------------------|-----------------------------|
| DC resistance | Inner conductor | 4.8 Ω/km |
| | Outer conductor | 2.6 Ω/km |
| Mutual capacitance | | 50 pF/m |
| Characteristic impedance | | 75 Ω ± 2 Ω |
| Velocity ratio | | 88 % |
| Screening factor | 30 MHz – 1000 MHz | > 120 dB |
| Transfer impedance | 5 MHz – 30 MHz | < 0.8 mΩ/m |
| Electrical strength | Dielectric | 2 kV _{DC} 1 min |
| | Sheath | 3.75 kV _{DC} 1 min |

Electrical data

at 20°C

| Attenuation (dB/100m) | | Return loss (dB) | |
|--------------------------|---------|---------------------|------|
| Frequency (MHz) | | Frequency (MHz) | |
| | nominal | | |
| 5 | 0.65 | 5 – 30 | > 26 |
| 50 | 2.0 | 30 – 470 | > 26 |
| 100 | 2.9 | 470 – 1000 | > 23 |
| 200 | 4.2 | | |
| 400 | 6.0 | | |
| 800 | 8.7 | | |
| 862 | 9.1 | | |
| 950 | 9.6 | | |
| 1350 | 11.3 | | |
| 1750 | 13.3 | | |
| 2150 | 15.1 | | |
| 3000 | 18.0 | | |

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Technical data

| Product code | Cable type | Weight kg/km | Standard delivery length m | Drum size *OWD | Copper content | Tensile force N | Bending radius mm | Storage |
|-----------------------------|---------------------|-----------------|-------------------------------------|-----------------------|-------------------|---------------------------|-----------------------------|---------|
| 1002559 (old: CK2684200) | Coax4 CT 22 S PE bk | 158 | 1000 | 1100/800/694 | 110 | 500 | 185 | outside |

*OWD (one-way drum)

Product Code Table

| Product Description | Product Code | PG Reference Code | PG Part Number |
|-------------------------|-----------------|-------------------|-----------------|
| Coax4 CT 22 S PE | 1002559 | 60009599 | 60009599 |
| Coax4 CT 22 S PE 500DW | 1002559-00500DW | 60009599 | 60016723 |
| Coax4 CT 22 S PE 1000DW | 1002559-01000DW | 60009599 | 60016724 |

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