



VECTOR DGS 1800

Coaxial cable 75 Ohm RG6 type

Image representative of cable family. Actual cable may vary.

CPR Class B2ca s1,d1,a1

Screening Class A++

Halogen Free

FlameSmart technology

Terrestrial & Satellite Reception

DOCSIS 3.1

HD / 4K

Satellite Internet

Broadcast SDI

APPLICATIONS

TELEVISION

BROADCAST SDI

STANDARDS AND CERTIFICATES

| | |
|-----------|--|
| Standards | EN 50117-2-4 EN 50117-9-2 EN 50575 |
| CPR Class | B2ca s1,d1,a1 |
| DOP | 1002760 |
| ROHS II | complies |

CONSTRUCTION

| | |
|-----------------|---|
| Inner conductor | Φ 1,13mm solid copper |
| Insulation | Φ 4,65mm skin-foam-skin gas injected PE |
| Outer conductor | aluminum tape bonded to insulation + tinned copper braid + 2 nd aluminum tape |
| Outer Sheath | Φ 7,00mm HFFR white UV resistant |

ELECTRICAL CHARACTERISTICS

| | |
|----------------------------|-------------------------|
| Impedance | 75 +/-3 Ohm |
| Nom.Capacitance | 52 pF/m |
| Velocity ratio (V/C) | 0,85 |
| Sheath spark test | 4 KV |
| Transfer Impedance (Zt) | |
| Zt 5-30 MHz | <0,9 mOhm/m |
| Screening Attenuation (As) | |
| As 30-1000 MHz | >105 dB (130dB typical) |
| As 1000-2000 MHz | >95 dB (130dB typical) |
| As 2000-3000 MHz | >85 dB (130dB typical) |
| Screening Class | A++ |
| DC resistance | |
| Inner conductor | 18,0 Ohm/km |
| Outer conductor | 12,0 Ohm/km |

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ELECTRICAL CHARACTERISTICS (continued)

Structural return loss

| | |
|-----------------|-----------------|
| 5 - 30 MHz | >23dB |
| 30 - 470 MHz | >23dB |
| 470 - 1000 MHz | >20dB |
| 1000 - 2000 MHz | >18dB |
| 2000 - 3000 MHz | >18dB |
| 3000 - 6000 MHz | >15dB |

Nom. Attenuation (dB/100m)

| | |
|----------|--------------|
| 100 MHz | 5,60 |
| 400 MHz | 11,20 |
| 800 MHz | 16,10 |
| 1000 MHz | 18,20 |
| 1500 MHz | 22,40 |
| 1750 MHz | 24,20 |
| 2150 MHz | 26,80 |
| 2400 MHz | 28,60 |
| 3000 MHz | 32,50 |
| 6000 MHz | 49,50 |

MECHANICAL CHARACTERISTICS

Minimum bending radius

| | |
|-----------------------|-----------------------|
| Single bend | 35 mm |
| Repeated bending | 70 mm |
| Maximum tensile force | 150 N |
| Connectors | FC-5170 |
| Standard packaging | 5x100m, 1x500m |

Cable is not intended for direct connection to the mains electricity supply.