



VECTOR DGS 1602 AW

Coaxial cable 75 Ohm RG6 type

Image representative of cable family. Actual cable may vary.

Screening Class A++

CPR certified

All Weather technology

Terrestrial & Satellite
Reception

DOCSIS 3.1

HD / 4K

Satellite Internet

Broadcast SDI

APPLICATIONS

TELEVISION

BROADCAST SDI

STANDARDS AND CERTIFICATES

| | |
|-----------|---|
| Standards | EN 50117-2-5 EN 50117-10-2 EN 50575 |
| CPR Class | Fca |
| DOP | 1002559 |
| ROHS II | complies |

CONSTRUCTION

| | |
|-----------------|---|
| Inner conductor | Φ 1,13mm silver coated 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 6,80mm PE black |

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 |

VECTOR DGS 1602 AW**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 |

MAXIMUM SDI TRANSMISSION DISTANCE

SDI Specification

| | | |
|-----------------|----------|--------------|
| SMPTE 292 | 1,5 Gb/s | 123 m |
| SMPTE ST 424 | 3,0 Gb/s | 85 m |
| SMPTE ST 2081-1 | 6,0 Gb/s | 118 m |

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.

ACCORDIA
CABLES BEYOND STANDARD

Pentalofos, T. 2310 787202
P.O.Box 10229
54012 Thessaloniki - Greece
welcome@accordia.gr
www.accordia.gr