



VECTOR DGS 2002 AW

Coaxial cable 75 Ohm RG6 and RG7 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	1002560
ROHS II	complies

CONSTRUCTION

Inner conductor	Φ 1,20mm solid copper
Insulation	Φ 5,10mm skin-foam-skin gas injected PE
Outer conductor	copper tape bonded to insulation + copper braid
Outer Sheath	Φ 7,00mm 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	15,0 Ohm/km
Outer conductor	10,0 Ohm/km

VECTOR DGS 2002 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	5,00
400 MHz	10,20
800 MHz	14,70
1000 MHz	16,50
1500 MHz	20,50
1750 MHz	22,30
2150 MHz	25,00
2400 MHz	26,70
3000 MHz	30,40
6000 MHz	46,50

MAXIMUM SDI TRANSMISSION DISTANCE

SDI Specification

SMPTE 292	1,5 Gb/s	136 m
SMPTE ST 424	3,0 Gb/s	94 m
SMPTE ST 2081-1	6,0 Gb/s	127 m

MECHANICAL CHARACTERISTICS

Minimum bending radius

Single bend	40 mm
Repeated bending	80 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

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