



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

Water blocking agent for protection from water penetration

UV and moisture resistant

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 EN 50289-4-2
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
Water blocking system	yes
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

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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

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.