



## VECTOR DGS 1600

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	1002719
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 <sup>nd</sup> 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

**VECTOR DGS 1600****ELECTRICAL CHARACTERISTICS (continued)**

Structural return loss

5 - 30 MHz	<b>&gt;23dB</b>
30 - 470 MHz	<b>&gt;23dB</b>
470 - 1000 MHz	<b>&gt;20dB</b>
1000 - 2000 MHz	<b>&gt;18dB</b>
2000 - 3000 MHz	<b>&gt;18dB</b>
3000 - 6000 MHz	<b>&gt;15dB</b>

Nom. Attenuation (dB/100m)

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

**MAXIMUM SDI TRANSMISSION DISTANCE**

SDI Specification

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

**MECHANICAL CHARACTERISTICS**

Minimum bending radius

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

 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