VAN DAMME 268-275-000 HD VISION FLEXIBLE RG59/U COAX

This HD-SDI single coaxial is based on industry standard RG59/U parameters and its precision construction ensures that electrical performance has not been majorly affected by the use of a stranded centre conductor.

Applications & Application Notes

- Transmission of HD-SDI, SDI and analogue video signals
- Stranded centre conductor for flexible use
- Ideal for use as patchcords, shorter HD-SDI cables and cable reel systems
- Designed for touring, outside broadcast and other dynamic uses
- Use of precision 75 Ohm components throughout any signal chain is imperative

Recommended Transmission Lengths

		SMPTE 259				SMPTE 292	SMPTE 424
	Data rate (clock)	143Mb/s	177Mb/s	270Mb/s	360Mb/s	1.485Gb/s	2.97Gb/s
	½ Clock Rate	72MHz	89MHz	135MHz	180MHz	743MHz	1485MHz
Stock code		Recommended maximum transmission lengths					
268-275-000		249m	224m	145m	128m	47m	31m

Mechanical Specifications

Conductor	Material	Bare ultra pure oxygen free copper
	Stranding	19 x 0.16mm
Dielectric	Material	Gas injected Foam skin polyethylene
	Average thickness	1.35mm
Diameter		3.70mm ±0.15
Screen 1	Type	Tinned bare ultra pure oxygen free copper
Screen 2	Material	Tinned bare ultra pure oxygen free copper
	Coverage	95%
Overall Jacket	Material	Flexible PVC composite Jet Black RAL 9005
	Average thickness	0.75mm
	Overall diameter	6.15mm ± 0.20

Electrical specifications

Resistance	Conductor	<40 Ohm/km
	Shield	<8 Ohm/km
	Insulation	>5000 MOhm/km
Voltage test		1000V DC 1 minute OK
Capacitance		56pF/m
Velocity of propagation		80%
Impedance at 10MHz		75 Ohms ±1.5
Attenuation	5 MHz	1.96 dB/100m
	10 MHz	2.95 dB/100m
	100 MHz	9.8 dB/100m
	135 MHz	11.48 dB/100m
	180 MHz	13.45 dB/100m
	200 MHz	14.18 dB/100m
	270 MHz	16.73 dB/100m
	400 MHz	19.25 dB/100m
	743 MHz	29.20 dB/100m
	1485 MHz	43.64 dB/100m