Product Data Sheet

Argosy IMAGE 1000 (LSOH)

Description

Produced exclusively for Argosy by Draka Prysmian, the IMAGE 1000 range of professional Digital Video cables are designed to deliver superior performance for SDI applications up to UHD 12G.

Primarily used for Inter-Rack & Inter-Area wiring, the IMAGE 1000 has a diameter of 7mm with LSOH Jacket. Suitable for 12Gbit/s, 4K (SMPTE 2082), UHD, HDTV (1080i, 720p, 1080p), SDI, SDV, SDTI, also for Composite and Component video standards.

Available in green, violet and turquoise colours, and in several reel sizes 100m, 300m and 500m.

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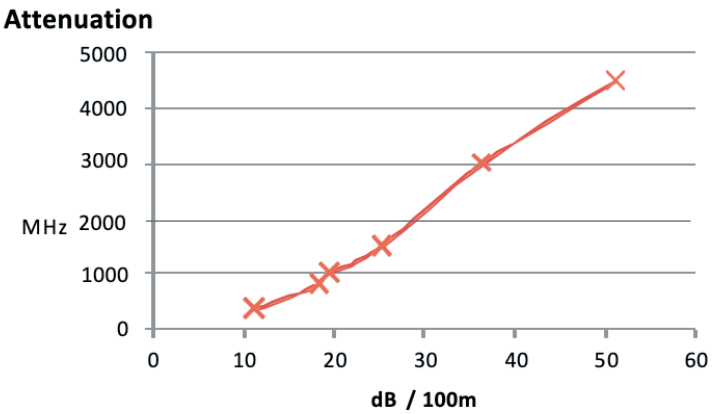
Product Numbers

Product	SKU
IMAGE 1000 (LSOH) - GREEN 100M, 300M, 500M	100005, 100006, 100011
IMAGE 1000 (LSOH) - VIOLET 100M, 300M, 500M	100021, 100022, 100027
IIMAGE 1000 LSOH - TURQUOISE 100M, 300M, 500M	100043, 100044, 100048

Attenuation

MHz	dB/100m
360	11.30
800	18.36
1000	19.5
1500	25.3
3000	36.40
4500	51.20



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Inner Conductor	Solid copper wire, bare, diameter 1.0 mm
Insulation	Foam-PE, diameter 4.8 mm
Outer Conductor	Al-PETP-Al-foil under tinned copper braid 95%
Sheath Construction	LSOH, diameter 6.8 mm (PVC available)
Sheath Colour	Green, Violet, Turquoise, Cream or Grey
Cable Weight	60kg/km
Minimum Bending	45mm

	NTSC	PAL	Composite	Widescreen	1080i	1080p
SMPTE Standard	259m		259m	259m	292m	424m
Data Rate Mb/s	143	177	270	360	1500	2970
Tested Distance (m)					140	130

The previous table shows calculated transmission distances according to SMPTE standards and actual test results achieved under controlled laboratory conditions with the cable run between the signal generator and the WFM.

We recommend that you always conduct your own test as the defining element in the system is the kit being used.

However, if you need to assume a distance prior to testing please use the calculated figures and apply sufficient headroom.

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Electrical Properties

Electrical properties at 20 °C		
Characteristic impedance (Ω)	75 ± 1.0	
Screening Factor	dB	≥ 100
Velocity	%	83
DC Resistance W/km	Inner Conductor	22
	Outer Conductor	7
Return loss	50 - 300 MHz	>26
	300 – 3000 MHz	>22
	3000 – 3500 MHz	>18
	3500 – 5000 MHz	>15
Mutual Capacitance	pF/m	56