



Product Data Sheet

Argosy IMAGE 2000 GREEN (LSOH) 500M

Description



Produced exclusively for Argosy by Draka Prysmian, the IMAGE 2000 range of professional Digital Video cables is designed to deliver superior performance for SDI applications up to UHD 12G.

Primarily used for Inter-Area wiring, IMAGE 2000 has a diameter of 10.6mm with an LSOH Jacket. Suitable for 12Gbit/s, 4K (SMPTE 2082), UHD, HDTV (1080i, 720p, 1080p), SDI, SDV, SDTI, also for Composite and Component video standards. The standard colour is green, available in other colours upon request, Reel size: 500m.

Product	SKU
IMAGE 2000 GREEN (LSOH) 500M	103554



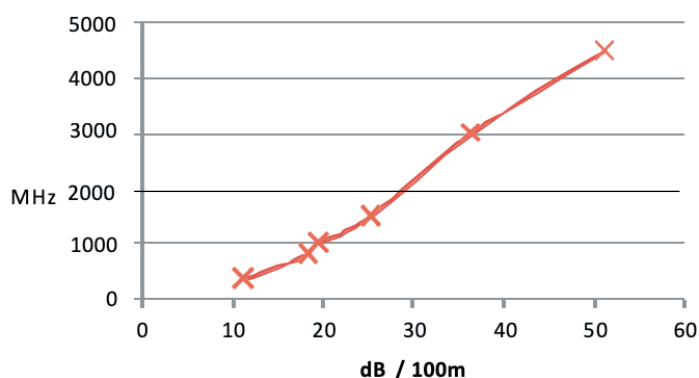
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Attenuation

MHz	dB/100m
300	7.0
800	11.8
1000	13.2
1500	16.9
3000	26.4
4500	38.1

Attenuation



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Inner Conductor: Solid copper wire, bare, diameter 1.6 mm	Sheath Colour: Green
Insulation: Foam-PE, diameter 7.3 mm	Cable Weight: 135kg/km
Outer Conductor: Al-PETP-Al-foil under tinned copper braid 95%	Minimum Bending: 60mm
Sheath Construction: LSOH, diameter 10.3 mm (PVC available)	

	NTSC	PAL	Composite	Widescreen	1080i	1080p
SMPT E Standard	259m		259m	259m	292m	424m
Data Rate Mb/s	143	177	270	360	1500	2970
Tested Distance (m)						230

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 \pm 1.0
Screening Factor	dB	\geq 100
Velocity	%	78
DC Resistance W/km	Inner Conductor	9.5
	Outer Conductor	4.3
Return loss	50 - 300 MHz	>26
	300 - 3000 MHz	>22
	3000 - 3500 MHz	>18
	3500 - 5000 MHz	>15
Mutual Capacitance	pF/m	56