



Product Data Sheet

Argosy IMAGE 360 (LSOH)

Description



Produced exclusively for Argosy by Draka Prysmian, the IMAGE 360 range of professional Digital Video cables are designed to deliver superior performance for SDI applications up to UHD 12G.

Primarily used for in-rack wiring in CTA and OB trucks, IMAGE 360 has a small diameter of 4.6mm with LSOH Jacket providing weight and space savings in high-density installations. 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, grey, cream and turquoise colours, and in several reel sizes 100m 300m & 500m.



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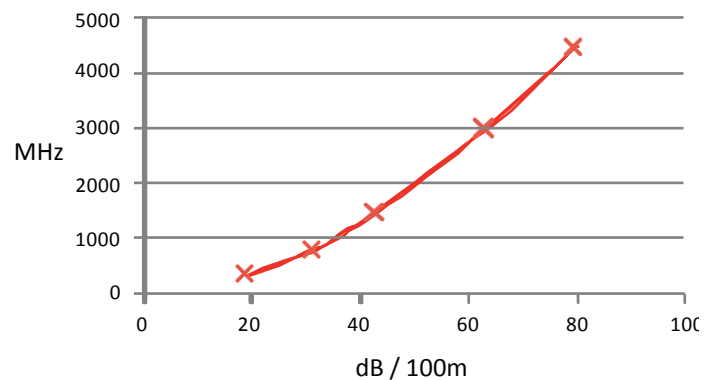
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Product Numbers

Product	SKU
IMAGE 360 (LSOH) - GREEN 100M, 300M, 500M	100001, 100002, 100004
IMAGE 360 (LSOH) - VIOLET 100M, 300M, 500M	100015, 100016, 100020
IMAGE 360 (LSOH) - GREY 100M, 300M, 500M	100030, 100031, 100033
IMAGE 360 (LSOH) - CREAM 100M, 300M, 500M	100034, 100035, 100037
IMAGE 360 (LSOH) - TURQUOISE 100M, 300M, 500M	100039, 100040, 100042

Attenuation

MHz	B/100m
3601	9.20
8003	1.30
1500	42.90
3000	63.10
4500	79.50





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Inner Conductor	Solid copper wire, bare, diameter 0.6mm	
Insulation	Foam-PE, diameter 2.95 mm	
Outer Conductor	Al-PETP-Al-foil under tinned copper braid 95%	
Sheath Construction	LSOH, diameter 4.6mm (PVC available)	
Sheath Colour	Green, Violet, Turquoise, Cream or Grey	
Cable Weight	15.5Kg (500m reel)	
Minimum Bending	51mm	
Tensile Strength	IEC 60811-1-1	15MPa
Elongation at Break	IEC 60811-1-1	180%
Oxygen Index	ISO 4589-1	34%

	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)					100	90

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	\geq 90dB
Velocity	78%
DC Resistance W/km	Inner Conductor: 61
	Outer Conductor: 17
Return loss	50 - 300 MHz: 26
	300 - 3000 MHz: 23
	3000 - 3500 MHz: 18
	3500 - 5000 MHz: 15