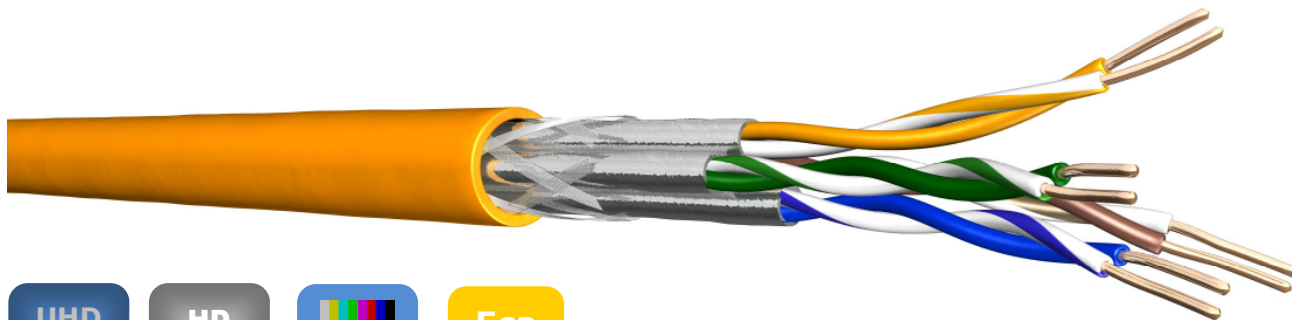


Media Install Synchron 10Gig MIS 23 RGBHV



Application

Primär (Campus), Sekundär (Riser), Tertiär (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; FDDI; ATM

Standards

EIA/TIA 568B;
ISO/IEC 11801 2nd ed.; IEC 61156-5
EN 50173

Flame resistance

FRNC: IEC 60332-1; IEC 60754-2; IEC 61034;

Construction

Conductor	Bare copper wire Ø 0,56 mm (AWG 23)
Insulation	Foam-Skin Pe, Ø 1,35 mm
Twisting	2 cores to the pairs
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid tinned (ca. 65 % coverage)
Sheath	FRNC, orange
Printing	DRAKA MFI 23 MEDIA INSTALL SYNCHRON batch numer + meter marking

Mechanical properties

Bending radius	Without load	≥ 40 mm
	With load	≥ 80 mm
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C

Media Install Synchron 10Gig

MIS 23

RGBHV

Electrical data

at 20°C

Loop resistance	Ω /km	≤ 150		
Resistance unbalance	%	≤ 2		
Mutual capacitance at 800 Hz	nF/km	nom. 43		
Capacitance unbalance (pair/ground)	pF/km	≤ 1500		
Characteristic impedance (1-100 MHz)	Ω	(100 ± 15)		
(100 - 250) MHz		(100 ± 18)		
(250 - 600) MHz		(100 ± 25)		
Nominal velocity of propagation	%	Ca. 79		
Propagation delay	ns/100m	≤ 427		
Delay skew	ns/100m	$\leq \pm 2$		
Test voltage (DC, 1 min)	V	1000		
Core/core and core/screen				
Transfer impedance		1 MHz	10 MHz	30 MHz
(m $\square$ /m)		5	5	10
				100 MHz
				20

Electrical data (nominal) acc. to Category 5

at 20°C

Technical data

Product code	Cable type	Brand name	Outer diameter	Fire load	Fire loadt	Weight	Copper content	Tensile force
			mm	MJ/km	MJ/m	kg/km		N
1018490	CAT 5 S/FTP AWG23/1	MIS 23	7,5	590	0,170	75	38	340

[PRODUCT CODE TABLE]

© PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.