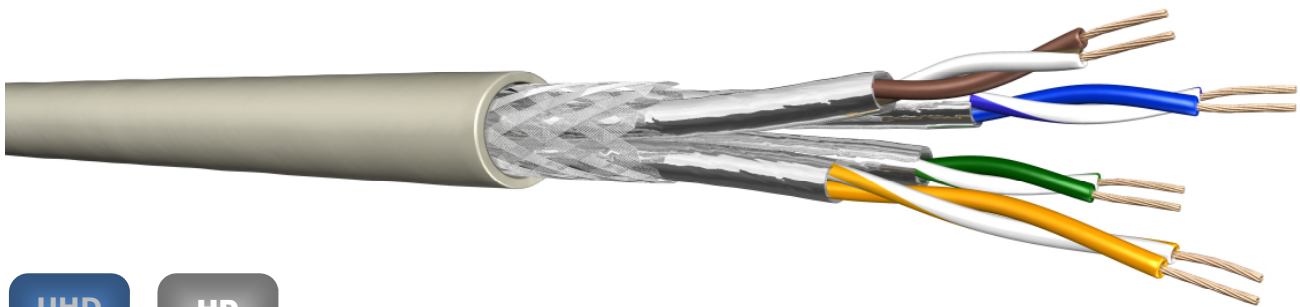


# Media Flex Indoor 10Gig MFI 26 Studio Broadcast and MI



## Application

Work area and patch cord cable  
 IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; **10GBase-T**  
 IEEE 802.5 16 MB; ISDN; TPDDI; ATM

## Standards

EN 50173-1; EN 50288-4-2  
 ISO/IEC 11801; IEC 61156-6

## Flame resistance

LSHF (FRNC): IEC 60332-1; IEC 60754-2; IEC 61034

## Construction

Conductor	Stranded bare copper wire Ø 0.48 mm (AWG 26/7)	
Insulation	Foam Skin Polypropylen, Ø 1.00 mm	
Twisting	2 cores to the pair	
Pair screen	Al-laminated plastic foil	
Cable lay up	4 pairs (PiMF) to the core	
Screen	Copper braid, tinned Ø 5.1mm	
Sheath	LSHF, grey Ø 6.4mm	
Printing	DRAKA MFI 26 MEDIA FLEX INDOOR 10Gig S/FTP Patch 4P IEC 61156-6 LSHF <factory code/batch no./ date-time> meter > m	

## Mechanical properties

Bending radius	without load	8 x D
	with load	4 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

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## Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 250 Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	Max.	700 pF/km
Mean characteristic impedance	100 MHz	100 ± 5 Ω
Nominal velocity of propagation		0.75 c
Propagation delay		≤ 460 ns/100m
Delay skew		≤ 10 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	25 mΩ/m
	at 10 MHz	25 mΩ/m

## Electrical data

at 20°C

F (MHZ)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB/100m)	Return loss (dB)	PS-NEXT (dB)	PS-ACR (dB/100m)	ACRF (dB/100m)	PS-ACRF (dB/100m)
1	3	100	97	-	97	94	90	87
4	5.5	100	95	27	97	92	90	87
10	8	100	92	28	97	89	84	81
16	10	100	90	28	97	87	80	77
20	11	97	86	28	94	83	80	77
31.25	14	95	81	28	92	78	75	72
62.5	20	95	75	28	92	72	71	70
100	26	95	69	28	92	66	66	63
155	32	94	62	26	91	59	62	59
200	37	93	56	25	90	53	56	53
250	41	93	52	25	90	49	53	50
300	47	92	45	23	89	42	45	42
600	68	90	22	20	87	19	39	36
750	77	85	8	18	82	5		
900	88	83	-5	17	80	-8		
1000	95	80	-15	17	77	-18		

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## Product order data

Product code	Cable type	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content	Tensile force N
					MJ/km	kWh/m			
	Cat 7 S/FTP AWG26	MFI 26	grey	6.0	296	0,082	37	26	100