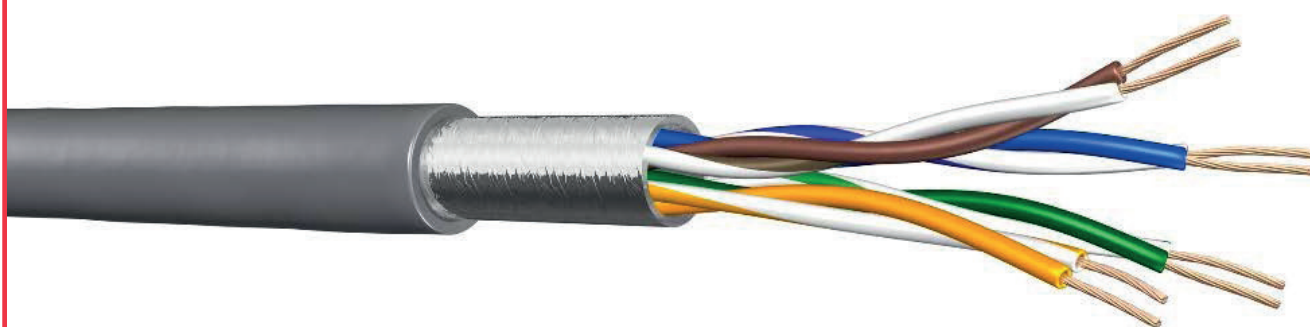




# Product Data Sheet

Draka CAT 5E FTP Patchlead PVC Grey 500m

## Description



Category 5e F/UTP stranded patch cable with a PVC jacket, for use in mobile applications, Patch leads & OB trucks, and need additional shielding. Not recommended for fixed installations. This cable features four colour coded twisted pairs surrounded Aluminium-Polyester foil and a single drain wire with a grey PVC Jacket. Used in Cat5 and Cat5 enhanced wiring applications, 1000Base-T (Gigabit Ethernet).

Meets the following standards:

- EN 50173-1; EN 50288-2-2 ISO/IEC 11801; IEC 61156-6 TIA/EIA-568-B.2
- IEC 60332-1

Product	SKU
DRAKA CAT 5E FTP PATCHLEAD PVC GREY 500M	EC-08-005



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Draka CAT 5E FTP Patchlead PVC Grey 500m

## Technical Specification

Draka CAT 5E FTP Specification	
<b>Construction</b>	<b>Temperature range:</b> during operation -20°C to + 60°C during installation 0°C to + 50°C
<b>Conductor:</b> stranded bare copper wire Ø 0.48 mm (AWG 26/7)	<b>Product data</b>
<b>Insulation:</b> Polyethylene, Ø 0.95 mm	<b>Colour:</b> grey 7035
<b>Twisting:</b> 2 cores to the pair	<b>Outer diameter:</b> 5.4mm
<b>Cable lay up:</b> 4 pairs to the core	<b>Fire load:</b> 354 MJ/km 0.099 kWh/m
<b>Screen:</b> Al-laminated plastic foil, stranded drain wire AWG26 tinned	<b>Weight:</b> 26 kg/km
<b>Sheath:</b> PVC or LSHF(LSOH)	<b>Copper content:</b> 12
<b>Mechanical properties</b>	<b>Tensile force N:</b> 55
<b>Bending radius:</b> without load ≥ 20 mm with load ≥ 40 mm	



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### Electrical data (nominal)

acc. to Cat.5e (at 20°C)

F (MHZ)	Attenuation (dB/10m)	NEXT (dB)	PS-NEXT (dB)	ACRF (dB/100m)	PS-ACRF (dB/100m)	Return loss (dB)
1.0	0.3	71	68	68	65	23
4.0	0.6	62	59	56	53	23
10.0	1.0	56	53	48	45	23
16.0	1.2	53	50	44	41	23
20.0	1.4	51	48	42	39	23
31.2	1.7	49	46	38	35	23
62.5	2.5	44	41	32	29	23
100.0	3.2	41	38	28	25	23
125.0	3.3	40	37	26	23	23
155.5	3.6	38	35	24	21	23
175.0	3.9	37	34	23	20	
200.0	4.1	36	33	22	19	
250.0	4.4	35	32	20	17	
300.0	4.8	34	31	16	13	



# Product Data Sheet

## Draka CAT 5E FTP Patchlead PVC Grey 500m

### Electrical properties

Electrical properties at 20°C± 5°C		
Loop resistance (D2)		≤ 340 Ω/km
Resistance unbalance		≤ 2%
Insulation resistance	(500 V)	≥ 5000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 48 nF/km
Capacitance unbalance	(pair/ground)	≤ 1200 pF/km
Mean characteristic impedance	at 100 MHz	100 ± 1 Ω
Nominal velocity of propagation		Ca. 67 %
Propagation delay		≤ 535 ns/100m
Delay skew		≤ 20 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	≤ 50 mΩ/m
	at 10 MHz	≤ 100 mΩ/m
	at 30 MHz	≤ 200 mΩ/m
Coupling attenuation		≥ 55 dB