

MegaLine[®] SLIM 600 Dca

KS-02YSCH 4 x 2 x AWG 26/1 PIMF

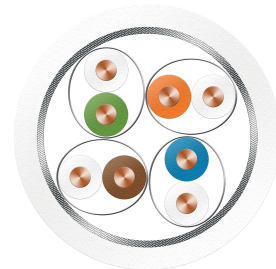
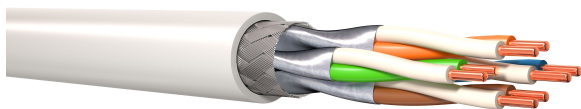
 Category 7 **S₂ P₃ A₄ C₂ E₅**


Illustration similar

Construction

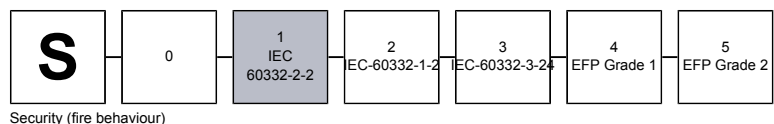
Conductor	bare copper wire, AWG26/1	Pair shielding	aluminium-bonded polyester tape
Insulation	cellular-PE, core-Ø: max. 1.0 mm	Twisting	4 pairs
Colour code	wh/bl, wh/or, wh/gn, wh/br	Outer sheath	halogen free, flame retardant compound
Element	cores to pair	Colour	Signal white

Cable marking

KERPEN DATACOM Made in Germany MegaLine Slim 600 4PPoE Dca s1a d1 a1 DoP: CDESK0000031 \$BA-Nr.\$ \$m-sign.\$

Fire Behaviour

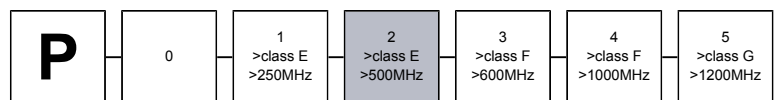
Fire class / DoP	Dca -s1a,d1,a1 / CDESK0000031
Fire performance	EN 50575 / EN 50399
Flame retardancy	acc. to IEC 60332-1-2
Halogen-free	IEC 60754-1/2
Acidity	IEC 60754-2
Smoke density	IEC 61034-1/2
Fire load (approx.)	0.4 MJ/m



Security (fire behaviour)

Performance

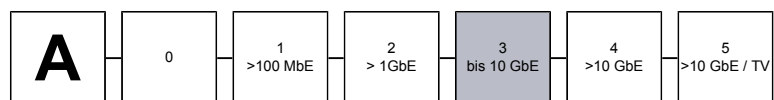
Transmission bandwidth (typ.)	700 MHz
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Performance (class, bandwidth)

Applications

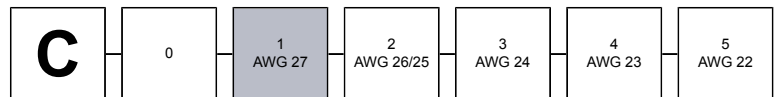
Installation cables for home cabling. Ideal for all applications of classes D to F multimedia (video, data, voice) >10 GbE according to IEEE 802.3, cable sharing, VoIP, PoE/4PPoE. For transmission distances of max. 65 m.



Application (Ethernet, TV)

Mechanical characteristics (cable)

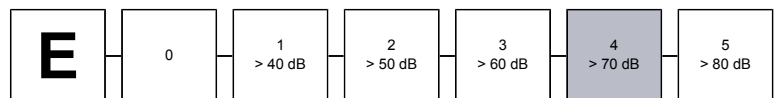
Bending radius (static) (min.)	4x outer-Ø
Bending radius (dynamic) (min.)	8x outer-Ø
Tensile loading (max.)	50 N
Crush resistance (long term)	1000 N/100mm
Impact strength (quantity of impacts)	10



Construction (conductor size, tensile strength)

Electromagnetic behaviour

Coupling resistance @ 10 MHz (nom.)	5 mΩ/m
Screen attenuation (nom.)	70 dB
Coupling attenuation (nom.)	85 dB
Segregation class according EN 50174-2	d



EMC (coupling attenuation)

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KS-02YSCH 4 x 2 x AWG 26/1 PIMF

 Category 7 **S₂ P₃ A₄ C₂ E₅**
Electrical properties at 20°C

DC resistance (max.)	145 Ω/km
Insulation resistance (min.)	5 GΩ x km
Operating capacity (approx.)	44 pF/m
Capacitive coupling (e) (approx.)	1100 pF/km
Signal velocity (approx.)	0.71 x c
Phase delay	440 ns/100m
Skew @ 100 MHz (approx.)	5 ns/100m
Characteristic impedance @ 100 MHz	100 +/- 5 Ω
Test voltage	1000 V
Operating voltage (max.)	125 V

Thermal characteristics (cable)

Temperature (transport / storage)	-20 °C up to +60 °C
Temperature during installation	0 °C up to +50 °C
Temperature after installation	-20 °C up to +60 °C

Chemical characteristics

Free of hazardous substances acc. to RoHS 2011/65/EU

Frequenz MHz	Dämpfung dB/100m		NEXT dB		PSNEXT dB		ACR-N dB@100m		PSACR-N dB@100m		ACR-F dB@100m		PSACR-F dB@100m		RL dB	
	typ.	Kat.7 max.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*	typ.	Kat.7 min.*
1	2,5	2,9	100	80	97	77	100	77,1	97	74,1	100	80	97	77	24,0	-
10	7,6	8,5	99	80	96	77	99	71,5	96	68,5	95	74	92	71	33,9	25,0
100	24,9	27,8	95	72	92	69	93	44,2	90	41,2	69	54	66	51	38,3	20,1
200	36,9	40,1	92	68	89	65	88	27,9	85	24,9	65	48	62	45	35,3	18,0
250	41,8	45,3	90	66	87	63	86	20,7	83	17,7	62	46	59	43	32,9	17,3
500	56,0	66,2	83	62	80	59	78	-4,2	75	-7,2	54	40	51	37	29,7	17,3
600	67,4	73,3	81	61	78	58	74	-12,3	71	-15,3	50	38	47	35	30,6	17,3
700	73,2	-	80	-	77	-	72	-	69	-	50	-	47	-	31,0	-

* EN 50288-4-1(2014)/IEC 61156-5(2020)

Standards, certificates and approvals

Conformity

 to CPR (EU/305/2011)
 acc. to LVD (2014/35/EU)

Link Performance

 KERPEN MegaLine[®] systems and further commercial plug-in connector

Part number	Drum packing	Weight	copper weight	Outer Ø approx.	Colour
LKD7KS703040035	350 m	42 kg/km	20 kg/km	6.1 mm	Signal white