

MegaLine[®] E5-70 S/F Dca

KS-02YSCH 4 x 2 x AWG 23/1 PIMF

 Category 6_A S₃ P₂ A₃ C₄ E₄
Electrical properties at 20°C

DC resistance (max.)	82 Ω/km
Insulation resistance (min.)	5 GΩ x km
Operating capacity (approx.)	42 pF/m
Capacitive coupling (e) (approx.)	1100 pF/km
Signal velocity (approx.)	0.8 x c
Phase delay	420 ns/100m
Skew @ 100 MHz (approx.)	7 ns/100m
Characteristic impedance @ 100 MHz	100 +/- 5 Ω
Peak-Free Transmission Bandwidth	700 MHz
Test voltage	1000 V
Operating voltage (max.)	125 V

Thermal characteristics (cable)

Transport / storage	-20 °C up to +60 °C
During installation	0 °C up to +50 °C
After installation	-20 °C up to +60 °C

Chemical characteristics

Conform to RoHS and REACH

Frequency MHz	Attenuation 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.	Cat.6 _A max.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*	typ.	Cat.6 _A min.*
1	1,9	2,1	95	75,3	92	72,3	93	73,2	90	70,2	91	68,0	88	65,0	26,0	-
10	5,2	5,9	90	60,3	87	57,3	85	54,4	82	51,4	96	48,0	93	45,0	35,9	25,0
100	17,7	19,1	75	45,3	72	42,3	57	26,2	54	23,2	90	28,0	87	25,0	37,2	20,1
200	26,4	27,6	68	40,8	65	37,8	42	13,2	39	10,2	78	22,0	75	19,0	33,1	18,0
250	29,9	31,1	66	39,3	63	36,3	36	8,2	33	5,2	75	20,0	72	17,0	30,5	17,3
300	31,9	34,3	65	38,1	62	35,1	33	3,8	30	0,8	72	18,5	69	15,5	29,9	17,3
450	38,9	42,7	63	35,5	60	32,5	24	-7,2	21	-10,2	69	14,9	66	11,9	28,9	17,3
500	41,2	45,3	61	34,8	58	31,8	20	-10,5	17	-13,5	66	14,0	63	11,0	28,3	17,3
600	46,2	-	57	-	54	-	11	-	8	-	60	-	57	-	27,2	-
700	51,4	-	54	-	51	-	3	-	0	-	56	-	53	-	26,2	-

* EN 50288-10-1 (2013) / IEC 61156-5(2020)

Standards, certificates and approvals

Conformity

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

Link Performance

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

Inspection certificate

acc. to DIN 55350-18-4.2.1 bzw. EN 10204

Part number	Weight	Copper weight	Outer Ø approx.	PU (pieces)	Colour
KD7D65D3Y010000	54 kg/km	26 kg/km	7 mm	1	Colza yellow

Packaging

1000 m cable drum