

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 |
| 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

| Frequenz 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-in connector |
| Inspection certificate | acc. to DIN 55350-18-4.2.1 bzw. EN 10204 |

| Part number | Weight | Copper weight | Outer Ø approx. | Colour |
|-----------------|----------|---------------|-----------------|--------------|
| LKD7KS600240100 | 49 kg/km | 26 kg/km | 6.7 mm | Colza yellow |