

Order number: 21510015

Open text field 1:

- Impedance: 75 Ω
- Insulation made of special PE compound, expanded by gas injection
- Metre marking
- Lead free and without silicone
- Compliant with: EN 50117
- For in-house installation
- Fire class in accordance with construction products regulation (EN 50575): Eca
- Suitable connectors: EMK 01, EMK 02, EMK 11, EMK 12, EMK 20, EMK 21, EMK 61, EMK 63, EMK 64



Hersteller: Kathrein

LCD 90/500m**Product information "LCD 90/500m"**

Coaxial cable, Eca, 500 m one-way drum - 7 mm - White PVC - Screening factor typical 90 dB - Metre marking- - Attenuation/100 m: 18.4 dB (860 MHz), 30.5 dB (2150 MHz)

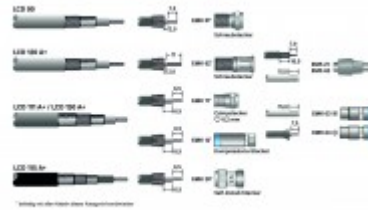
| | |
|---|----------------------------------|
| Type: | LCD 90/100m |
| Order no.: | 21510015 |
| Screening class: | A |
| Fire classification - Construction Products Regulations 305/2011: | Euro classification Eca |
| Installation location: | Indoors |
| Centre conductor: | 1.0 steel clad mm |
| Insulation: | 4,6 PEE/PH mm |
| Outer conductor: | 1 x Al/pet/Al foil 1 x CuSn mesh |
| External sheathing: | 6.9 PVC white mm |
| Bending radius: | > 35 mm |
| Shortening factor: | 0.85 |
| Loss at 5 MHz: | 1,6 dB/100 m |
| Loss at 50 MHz: | 4,3 dB/100 m |
| Loss at 100 MHz: | 6,2 dB/100 m |
| Loss at 450 MHz: | 13,4 dB/100 m |
| Loss at 860 MHz: | 18,4 dB/100 m |
| Loss at 1000 MHz: | 20,1 dB/100 m |
| Loss at 2150 MHz: | 30,5 dB/100 m |
| Loss at 2,400 MHz: | 32,6 dB/100 m |
| Return loss 5-470 MHz: | > 26 dB |
| Return loss 470-862 MHz: | > 25 dB |
| Return loss 862-1000 MHz: | > 23 dB |
| Return loss 1000-2150 MHz: | > 20 dB |
| Screening loss 30-1000 MHz: | > 90 ³⁾ dB |
| Screening loss 1,000-2,400 MHz: | > 90 dB |
| Coupling resistance 5-30 MHz: | < 10 mOhm/m |
| DC resistance: | < 120 Ω /km |
| Permissible ambient temperature: | -25 to +70 $^{\circ}$ C |
| Packaging: | Disposable drum 500 m |
| Weight: | 4 kg/100 m |

¹⁾ 30-80 MHz > 85 dB

²⁾ 5-7 MHz < 7 mOhm/m

³⁾ Class A in range 30-2400 MHz

Mehr Bilder zu "LCD 90/500m"



Merkmale und Stärken der KATHREIN-Kabelkategorie

• Hohe Flexibilität und Biegeleistung
 • Hohe Temperaturstabilität
 • Hohe mechanische Belastbarkeit
 • Hohe chemische Beständigkeit
 • Hohe UV-Strahlungstoleranz
 • Hohe Schwingungstoleranz
 • Hohe Vibrationstoleranz
 • Hohe Stoßbelastbarkeit
 • Hohe Schweißbarkeit
 • Hohe Lötbarkeit
 • Hohe Verarbeitbarkeit
 • Hohe Recyclingfähigkeit

| Parameter | LCD 90 | LCD 100 | LCD 150 | LCD 200 | LCD 300 | LCD 400 | LCD 500 |
|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Lebensdauer | 10 Jahre | 10 Jahre | 10 Jahre | 10 Jahre | 10 Jahre | 10 Jahre | 10 Jahre |
| Temperaturbereich | -40°C bis +125°C | -40°C bis +125°C | -40°C bis +125°C | -40°C bis +125°C | -40°C bis +125°C | -40°C bis +125°C | -40°C bis +125°C |
| Biegeleistung | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Mechanische Belastbarkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Chemische Beständigkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| UV-Strahlungstoleranz | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Schwingungstoleranz | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Vibrationstoleranz | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Stoßbelastbarkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Schweißbarkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Lötbarkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Verarbeitbarkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |
| Recyclingfähigkeit | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 | 1000000 |

KATHREIN Digital Systems GmbH