



### high end double shielded microphone cable 2 x 0.50 mm<sup>2</sup> - intermediate jacket - PVC

- 0.50 mm<sup>2</sup> conductor cross section (AWG 20)
- very low capacitance 55 pF/m (17 pF/ft)
- double, counter rotating bare copper spiral shield
- inner jacket for stabilising pair twisting
- for high end studio microphones

#### PVC

Our highest-end microphone cable transmits signals over long distances with minimum loss and low attenuation, thanks to a range of characteristics including its cross-section of 0.50 mm<sup>2</sup>. Designed with studio use in mind, the cable is packed with every possible feature to eliminate interference. The high longitudinal conversion loss (LCL) necessary for microphone cables is achieved by incorporating a range of solutions such as cores with ultra-low production tolerances, moulded PVC inner jacket around the cores to maintain their ex-factory high-precision stranding, and a stabilizing element that significantly improves pressure resistance. A double counter-rotating spiral shield provides 100% cover for the inner jacket and reliably screens the cable from electromagnetic interference.

#### design

|                     |   |
|---------------------|---|
| cond. construction  | stranded bare copper, 28 x 0.15 mm                  |
| cond. cross section | 0.50 mm <sup>2</sup>                                |
| insulation          | polyethylene (PE)                                   |
| core arrangement    | 2 cores twisted to a pair                           |
| inner jacket        | extruded inner covering from PVC                    |
| shielding           | double, counter-rotating, bare copper spiral shield |
| outer jacket        | PVC   |
| overall diameter    | 7.0 mm  |

#### electric

|                       |              |
|-----------------------|--------------|
| conductor resistance  | < 37.5 Ω/km  |
| capacitance           |              |
| cond./cond.           | 55 pF/m      |
| cond./shield          | 100 pF/m     |
| insulation resistance | > 10 GΩ x km |

#### mechanical & thermal characteristics

|                         |  |
|-------------------------|--|
| working temperature     | -25°C / +70°C  |
| min. bending radius     |  |
| installed               | 5x overall diameter                                  |
| mobile use              | 10x overall diameter                                 |
| no hazardous substances | acc. to EU directive RoHS 2011/65/EU from 08.06.2011 |
| REACH conformity        | acc. to REACH regulation 1907/2006                   |
| CE conformity           | acc. to EU directive LVD 2014/35/EU                  |
| flame retardancy        | acc. to IEC 60332-1-2                                |
| heat of combustion      | 1097 kJ/m  |

| order code | cable color | weight<br>kg/m | standard lengths<br>m           |
|------------|-------------|----------------|---------------------------------|
| MC5000     | black       | 0,08           | 30 / 50 / 100 / 200 / 300 / 500 |

technical specifications are subject to change