

MICO[®] SPE

SINGLE PAIR ETHERNET CABLE

TECHNICAL
DATASHEET

KME Italy SpA
COPPER DIVISION
[EN]



MICO[®] SPE

SINGLE PAIR ETHERNET CABLE

DESIGN

Sheath	Cu- No additional sheath required
Insulation	Magnesium Oxide
Core Conductors	AWG 22-24
Additional Outer sheath (optional)	Low Smoke and Fumes halogen free polyolefin (LSF)

MANUFACTURER

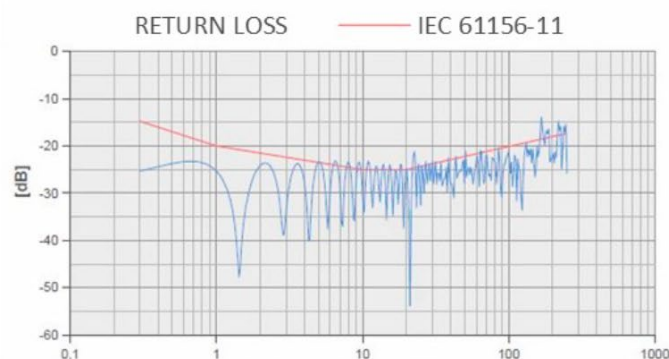
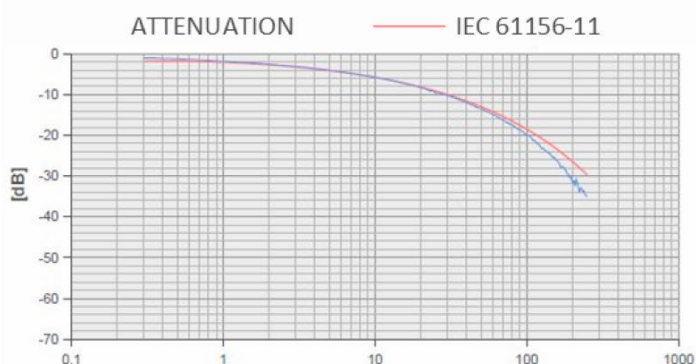
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COUNTRY OF ORIGIN

Italy

CABLE CHARACTERISTICS

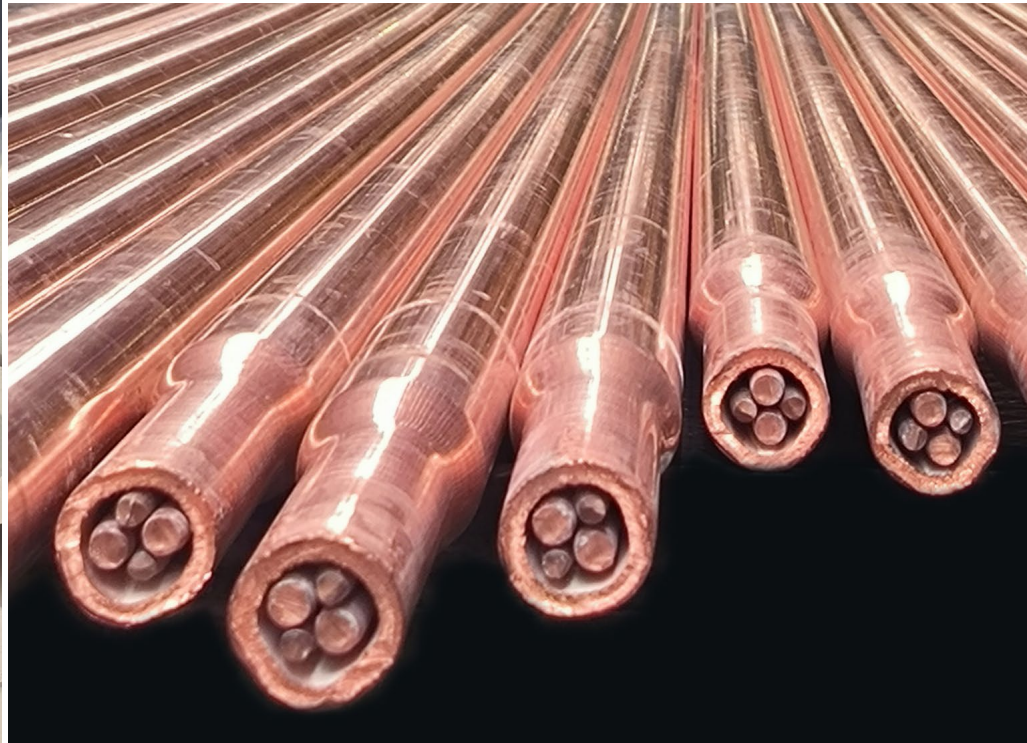
Standard	Cable diameter	Cable category	IEEE application	Bandwidth acc. to IEEE	Transmission rate	Max. lengths	Type of installation	Compatible connectors
Single-pair Ethernet (SPE) Cables IEC 61156	5,00mm	IEC 61156-13, IEC 61156-14	10 BASE T1 (802.3 CG)	20 MHz	10 Mbit/s	> 100m	Fixed installation	IEC 63171
		IEC 61156-11, IEC 61156-12	100 BASE T1 (802.3 bw)	66 MHz	100 Mbit/s	40m	Fixed installation	IEC 63172



Frequency (MHz)	0,1	0,3	0,5	1	4	8	10	16	20	25	31,25	62,5	100	155	200	250
Attenuation (db/100m)	0,0	1,8	1,8	2,1	3,7	5,2	5,8	7,3	8,2	9,1	10,2	14,5	18,5	23,2	26,5	29,7

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OTHER CHARACTERISTICS

FIRE RESISTANCE

- Can operate at extremely low and high temperature (250°C in continuos)
- Does not propagate the flame
- Continue to operate during the fire
- Survives the action of fire
- Does not produce particells, fumes, toxic and corrosive gases

MECHANICAL RESISTANCE

- Rodent resistance
- High mechanical strenght (particularly resistan to shocks and crushing)
- Does not require any protective tube (because it has the outer sheath in copper that acts like a self supporting metal tube)

OTHER ADVANTAGES

- Environmental friendly (No environmental impact as it is made with fully recyclable material)
- Radiation resistant
- Not effected by aging

MORE INFORMATION:



further information

WWW.KME.COM

KME Italy SpA

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