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MINECOM

A division of TR Corporation

LEAKY FEEDER CABLE - VLFC

- FLAME RETARDANT INNER SHEATH
- RUGGED CONSTRUCTION
- MEETS IEC 1196
- MEETS EU STANDARD EN50117
- YELLOW OUTER SHEATH
- OPTIONAL LO-SMOKE HALOGEN FREE

DESCRIPTION

MCA1000 series VLFC Leaky Feeder cable is a MineCom branded proprietary design. It is manufactured to MineCom's specification for use with its range of MCA1000 amplifiers and ancillary devices.#

The cable has a radiation pattern of 360 degrees around the cable & can be strapped directly to a catenary cable, water or air pipe (traditional leaky feeder cables MUST be suspended below the catenary cable to achieve a reasonable radiation pattern). The standard cable is available in 350m & 500m drums with a YELLOW outer sheath.

As an option, the cable can be manufactured to order with a BLUE outer sheath and is also available with a low smoke, halogen free outer sheath. The MineCom leaky feeder cable has a foam dielectric, which not only makes the cable more robust, it prevents water from entering the inner core of the cable. Older air dielectric leaky feeder cables had a 'hollow tube' (air dielectric) which if damaged allowed water to run down the tube, filling up amplifiers, branches etc with polluted mineralised water.

All MineCom devices utilise MineCom's proprietary leaky feeder terminal & saddle leaky feeder connections. Coaxial connectors will incur higher losses & voltage drops, when used with this type of leaky feeder cable. The cable & the connection method have been adopted specifically for mine & tunnel construction use, allowing for easy assembly underground, without the need for special tools or skills.



SPECIFICATIONS

Frequency:	5 to 500MHz
Impedance:	75 ohm
Attenuation @ 160MHz:	4.2dB/100m
DC Resistance inner conductor:	<4.5 ohm/km
DC Resistance outer conductor:	<4.1 ohm/km
Capacitance:	54pF/m
Insulation Resistance:	>10.4Mohm/km
Minimum Static Bend radius:	150mm
Operating Temperature:	-40 to +70degree C
Outer Sheath Diameter:	16.0mm +/- 0.3mm