



## Application:

For indoor installation as well as in industrial areas in conduits and cable ducts, for transmission of high frequency signals .

## CABLE CONSTRUCTION

INNER CONDUCTOR	COPPER CLAD ALUMINIUM WIRE $\varnothing = 2.74 \pm 0.01 \text{ mm}$ Min. Break Strength = 640 N
DIELECTRIC	FOAM POLYETHYLENE = $7.24 \pm 0.15 \text{ mm}$
1 <sup>st</sup> SHIELD	AL/P-FOIL (Bonded)
2 <sup>nd</sup> SHIELD	AL WIRE BRAID Coverage $85 \pm 3 \%$
OUTER SHEET	BLACK POLYETHYLENE $\varnothing = 10.29 \pm 0.10 \text{ mm}$
PRINTING	RF COAX 50 OHM TYPE TKG400 AL (week/year) + metric marking

## ELECTRICAL CHARACTERISTICS

CHARACTERISTIC IMPEDANCE (1 MHz)	50 $\pm$ 2 Ohm
VELOCITY	85 %
CAPACITANCE	78 pF/m
INNER CONDUCTOR RESISTANCE	$\leq 4.5 \text{ Ohm/Km}$
OUTER CONDUCTOR RESISTANCE	$\leq 15 \text{ Ohm/Km}$
JACKET SPARK	8.000 VCA
DIELECTRIC STRENGTH	2.000 VCA
INSULATION RESISTANCE	$\geq 100.000 \text{ MOhm/Km}$
INDUCTANCE	0.2 $\mu\text{H/m}$
SWR (30-5800MHz)	<1.20
SRL (RETURN LOSS) 30-500 MHZ	> 24 dB
500-5800 MHZ	> 20 dB
SHIELDING EFFECTIVENESS (30-1000MHz)	> 90 dB

### ■ ATTENUATION AT 20°C nom.

Frequency	
30 MHz	2.20 dB/100 m
50 MHz	2.90 dB/100 m
150 MHz	5.00 dB/100 m
220 MHz	6.10 dB/100 m
450 MHz	8.90 dB/100 m
900 MHz	12.80 dB/100 m
1.500 MHz	16.80 dB/100 m
1.800 MHz	18.60 dB/100 m
2.000 MHz	19.60 dB/100 m
2.500 MHz	22.20 dB/100 m
5.800 MHz	35.50 dB/100 m

- Die obigen Werte entsprechen den Angaben des Herstellers und können nicht garantiert werden.
- Wir behalten uns das Recht vor, Änderungen ohne vorherige Ankündigung vorzunehmen.
- Alle anderen Größen oder andere Ausführungen auf Anfrage
- The above values correspond to the manufacturer's specifications and are not guaranteed.
- We reserve the right to change details without notice.
- Any other sizes or any other designs available on request.