

Description

Outdoor drop coaxial cable - 75 Ohm

Coaxial Cables

CAVEL®

since 1968

Data Sheet

DKT075/480PE



| | | | | |
|--------------|--------------|------------------|--------------|--------------|
| 0,75 (Cu) | 4,80 (PE) | 4,90 (Cu/Pet) | 5,50 (Cu) | 7,10 (PE) |
|--------------|--------------|------------------|--------------|--------------|

Constructive data

| | | |
|--|----------|----------------|
| Inner conductor of plain copper | (Cu) | 0,75 ± 0,02 mm |
| Dielectric of solid polyethylene | (PE) | 4,80 ± 0,10 mm |
| Copper/Polyester tape longitudinally overlapped | (Cu/Pet) | |
| Braid of annealed copper wires | (Cu) | |
| Braid optical coverage (IEC 96-1) | | 52 % |
| Diameter under Sheath | | 5,50 mm |
| Outer sheath of Polyethylene - black - with carbonblack (Q4) | (PE) | 7,10 ± 0,10 mm |

Printed each meter by yellow ink-jet :

CAVEL DKT 0.75/4.80 75 Ohm ass - m

(a=year, ss=week) (m=meter marking)

Electrical data

| | | |
|---|--------|--------|
| Characteristic impedance (@ 200 MHz) | 75 ± 2 | Ohm |
| Capacitance (@1kHz) | 66 ± 2 | pF/m |
| Velocity factor | 67 % | |
| Outer conductor resistance | 12,50 | Ohm/km |
| Loop resistance | 52,50 | Ohm/km |
| Insulation voltage of the sheath (spark test) | 8 | kV |

Structural return loss (SRL)

| | |
|-----------------|--------|
| 5 - 470 MHz | >32 dB |
| 470 - 1000 MHz | >30 dB |
| 1000 - 2000 MHz | >28 dB |
| 2000 - 3000 MHz | >25 dB |

Screening attenuation (SA)

| | |
|-----------------|--------|
| 30 - 1000 MHz | >85 dB |
| 1000 - 2000 MHz | >80 dB |
| 2000 - 3000 MHz | >70 dB |

Transfer impedance

5 - 30 MHz < 0,6 mOhm/m

ITALIANA CONDUTTORI s.r.l.

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Tel +39-382.815150 Fax +39-0382.814212

Date

08/09/2008

Responsible

PierPaolo Piccinini

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Attenuation (at 20°C):

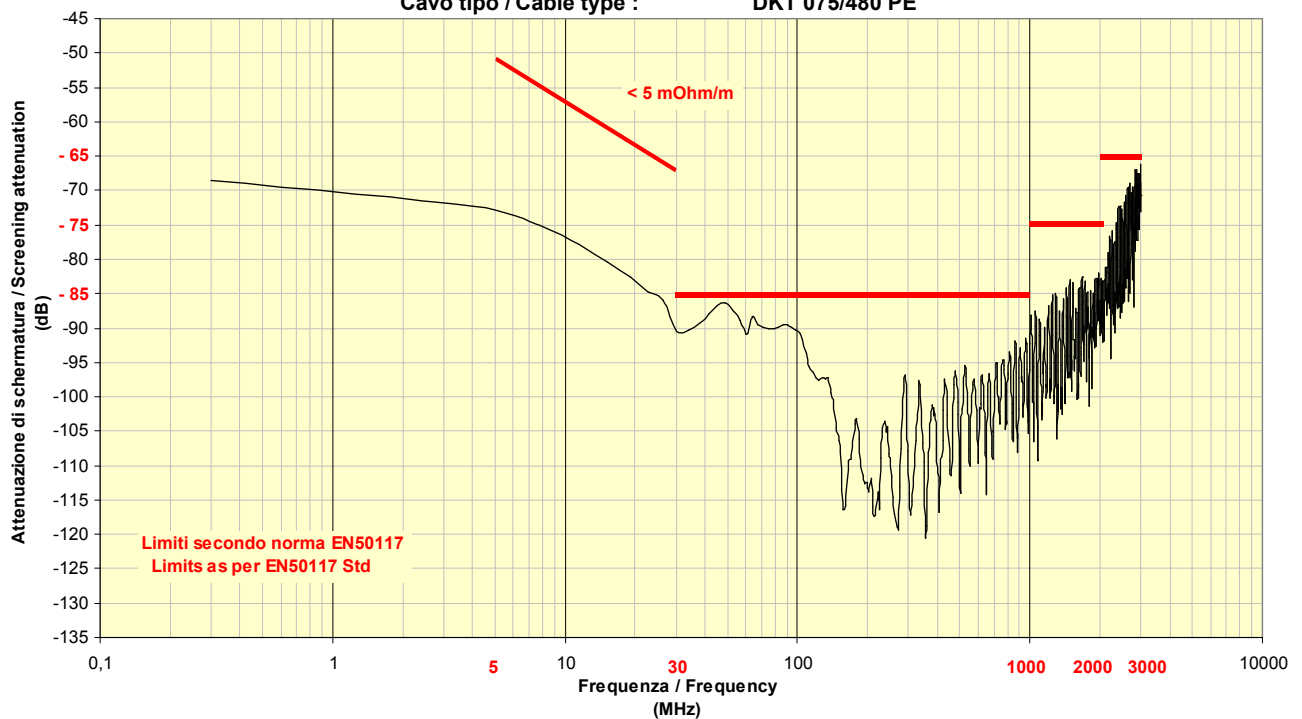
| Frequency [MHz] | Attenuation [dB/100m] | Frequency [MHz] | Attenuation [dB/100m] |
|-----------------|-----------------------|-----------------|-----------------------|
| 5 | 2,00 | 862 | 25,00 |
| 10 | 2,80 | 1000 | 27,00 |
| 30 | 4,10 | 1750 | 37,70 |
| 50 | 5,30 | 2150 | 42,70 |
| 200 | 11,50 | 2400 | 45,70 |
| 300 | 14,10 | 3000 | 51,10 |
| 470 | 18,00 | | |

Mechanical data

| | | |
|--|--------|-------|
| Weight of copper conductors | 17,90 | kg/km |
| Total weight of cable | 51,10 | kg/km |
| Minimum bending radius (single/repetead bending) | 60/120 | mm |

Attenuazione di schermatura / Screening Attenuation**Cavo classe A / A Class Cable**

Cavo tipo / Cable type : DKT 075/480 PE

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