

CONSTRUCTIVE DATA

| | | |
|--|-------------|-------------------|
| Inner conductor of plain copper | (Cu) | Ø 1,63 mm |
| Dielectric of 5-cell semi air-spaced polyethylene | (PEAS) | Ø 7,25 mm |
| Copper tape longitudinally overlapped | (Cu) | |
| Braid of annealed copper litz wires | (Cu) | Ø |
| Braid optical coverage (IEC 96-1) | | 48 % |
| Tracer Identifier | Year + Flag | |
| Outer sheath of Polyethylene black with carbonblack (Q4) printed each meter by yellow ink-jet : (aaaa=year) | (PE) | Ø 10.10 ± 0.15 mm |

CAVEL KF16AS/PE 75 Ohm aaaa BS 5425

MECHANICAL PARAMETERS

| | | |
|--|--------|-------|
| Weight of copper conductors | 44,00 | kg/km |
| Total weight of cable | 92,90 | kg/km |
| Minimum bending radius (single/repeated bending) | 50/100 | mm |

ELECTRICAL PARAMETERS

| | | |
|---|--------------------------|--------|
| Characteristic impedance (@ 200 MHz) | 75,00 ± 2,50 | Ohm |
| Capacitance (@1kHz) | 54,00 ± 2,00 | pF/m |
| Velocity factor | 85 % | |
| Inner conductor resistance | 8,5 | Ohm/km |
| Outer conductor resistance | 7,5 | Ohm/km |
| loop Resistance | 16,0 | Ohm/km |
| Insulation voltage of the sheath (spark test) | 8,0 | kV |
| Standard: | BS5425 designation : 725 | |

-Attenuation-

| Frequency (MHz) | 5 | 50 | 100 | 200 | 300 | 460 | 862 | 1000 | 1350 | 1750 | 2150 |
|-----------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| dB/100m | 0.90 | 2.60 | 3.70 | 5.40 | 6.70 | 8.80 | 12.00 | 13.00 | 15.50 | 18.00 | 20.30 |

Structural return loss (SRL)

| | |
|----------------|--------|
| 5 - 470 MHz | >30 dB |
| 470 - 862 MHz | >28 dB |
| 862 - 2150 MHz | >25 dB |

Transfer impedance

Screening attenuation (SA)

| | |
|-----------------|--------|
| 30 - 1000 MHz | >85 dB |
| 1000 - 2150 MHz | >75 dB |





Efficienza di schermatura (media su 3 misure)
Screening Attenuation (average over 3 measurements)

