

# DATENBLATT

## AC 400 - MULTI-CORE-KABEL

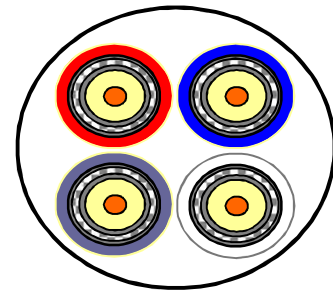


### Konstruktion / construction:

|                                    |                       |
|------------------------------------|-----------------------|
| Einzelkabel / Single cable         | <b>4 x AC 100</b>     |
| Innenleiter / inner conductor (mm) | 1,0 Cu bl / bare      |
| Isolation / insulation (mm)        | 4,6 CPE phys.         |
| Außenleiter / outer conductor      |                       |
| - Folie verklebt / foil bonded     | AL-PP                 |
| - Geflecht / braid                 | AL                    |
| - Folie / foil                     | AL-PP-AL              |
| Mantel / sheath (mm)               | 6,9 PVC               |
| Farbe / Colours                    | rot, blau, grau, weiß |
| Gesamt-Mantel / total sheath (mm)  | 19 PVC ws/white       |

### Kabelart / cable type

Innenkabel /  
Inhouse cable (drop)



### Elektrische Daten / electrical properties

Impedanz / charact. Impedance 75 Ohm +/- 3

### Dämpfung / Attenuation / 20°C / dB/100 m

|      |     |         |
|------|-----|---------|
| 50   | MHz | 6,5 dB  |
| 100  | MHz | 7,0 dB  |
| 200  | MHz | 9,0 dB  |
| 300  | MHz | 12,0 dB |
| 500  | MHz | 15,0 dB |
| 800  | MHz | 19,0 dB |
| 950  | MHz | 21,0 dB |
| 1350 | MHz | 25,0 dB |
| 1750 | MHz | 29,0 dB |
| 2050 | MHz | 32,0 dB |
| 2150 | MHz | 33,0 dB |
| 2400 | MHz | 34,5 dB |

### Verkürzungsfaktor

Velocity ratio

0,82

### Kapazität

capacity (pF/m)

55

### Rückflussdämpfung / Return Loss

|            |     |         |
|------------|-----|---------|
| 30 - 300   | MHz | > 24 dB |
| 300 - 600  | MHz | > 24 dB |
| 600 - 960  | MHz | > 24 dB |
| 960 - 2150 | MHz | > 22 dB |

### Mechanische Eigenschaften / mechan. Properties

|                                      |       |
|--------------------------------------|-------|
| Zul. Biegeradius / bend. rad. (once) | 120   |
| Kupfer / copper (kg/km)              | 40,0  |
| Gewicht / weight (kg/km)             | 320,0 |

### Aufmachung / Packing

Trommel 50 / 100

### Stecker / connectors

|                                |               |
|--------------------------------|---------------|
| Schraubstecker / twist on      | F 7 TW HQ     |
| Kompression / compression line | F-KPS 49      |
|                                | F-KPS 49 -Q   |
|                                | F-KPS 49 -FM  |
|                                | BNC-KPS-75-49 |

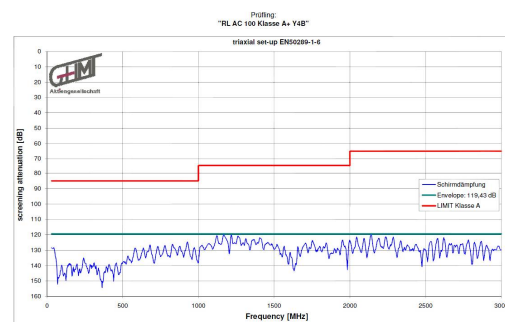
### Kopplungswiderstand / Transferimpedance

|    |     |              |
|----|-----|--------------|
| 5  | MHz | < 2,5 mOhm/m |
| 30 | MHz | < 2,5 mOhm/m |

### Schirmdämpfung / screening efficiency

|             |     |        |
|-------------|-----|--------|
| 30 - 300    | MHz | 130 dB |
| 300 - 470   | MHz | 130 dB |
| 470 - 1000  | MHz | 120 dB |
| 1000 - 2000 | MHz | 120 dB |
| 2000 - 3000 | MHz | 120 dB |

Schirmdämpfung: AC 100 Einzelkabel / single cable



### Gleichstromwiderstand / Direct current resistance 20°

|  |    |
|--|----|
| Innenleiter / inner conductor (ohm/km) | 25 |
| Außenleiter / outer conductor (ohm/km) | 65 |

### Normen / Standards

EN 50117-2-4

### Zulassungen / Approvals

INTSA0210  
I 554 b -10-D

### Besonderheiten

**Klasse A plus**  
digitaltauglich, dreifach abgeschirmt, mit Metermarkierung

### special remarks

**Class A plus**  
suitable for digital signals, tri-shield cable, with metermarking