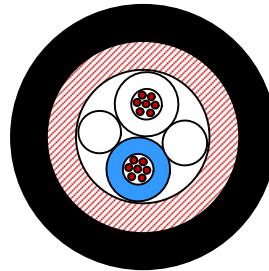




## XLR PRO FLEX analogue / digital



### Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals.

### Standards

AES/EBU and analogue Audio

### Construction

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| Conductor      | stranded copper wires, bare, diameter 0.60 mm                    |
| Insulation     | Foam-PE + skin-layer, diameter 1.5 mm                            |
| Identification | a – core: white; b – core: blue                                  |
| Stranding      | two cores twisted to the bundle + cotton filler, diameter 3.0 mm |
| Screen         | spiralled wires, CU bare, diameter 3.2 mm                        |
| Sheath         | DMC FLEX PVC, diameter 6.5 mm $\pm$ 0.2 mm<br>black, RAL 9005    |
| Printing       | <b>DRAKA</b> – XLR PRO FLEX analogue / digital – 110 $\Omega$    |



## XLR PRO FLEX analogue / digital

### Mechanical properties

|                        |                     |                                         |
|------------------------|---------------------|-----------------------------------------|
| Minimum bending radius | without load        | $\geq 4 \times D$ ( D= outer diameter ) |
|                        | with load           | $\geq 8 \times D$ ( D= outer diameter ) |
| Temperature range      | during operation    | - 30° C to + 70° C                      |
|                        | during installation | - 5° C to + 50° C                       |

### Electrical properties

at 20°C

|                          |                                       |                                             |
|--------------------------|---------------------------------------|---------------------------------------------|
| Loop resistance          |                                       | $\leq 175 \Omega/\text{km}$                 |
| Insulation resistance    | 500 V                                 | $\geq 2000 \text{ M}\Omega \cdot \text{km}$ |
| Mutual capacitance       | 800 Hz                                | nom. 45 nF/km                               |
| Velocity ratio           |                                       | ca .78%                                     |
| Test voltage             | (DC, 1 min) core/core and core/screen | 1000 V                                      |
| Characteristic impedance | 6 MHz                                 | $110 \Omega \pm 10 \%$                      |

### Electrical data

at 20°C

| Frequency<br>(MHz) | Attenuation<br>(dB/100m) |
|--------------------|--------------------------|
| 0.015              | 0.3                      |
| 1.0                | 1.5                      |
| 4.0                | 3.8                      |
| 10.0               | 6.0                      |
| 20.0               | 8.5                      |

### Technical data

| Product code | Designation | Type                  | Brand name   | Outer diameter<br>mm | Weight<br>kg/km | Standard delivery length<br>m | Drum size<br>PWD/CBS | Gross weight<br>kg | Copper content | Tensile force<br>N |
|--------------|-------------|-----------------------|--------------|----------------------|-----------------|-------------------------------|----------------------|--------------------|----------------|--------------------|
| 1018270      | Li-02YSDY   | 1x2x0.22 <sup>2</sup> | XLR PRO FLEX | 6.5                  | 50              | 1000/<br>200                  | 500/200/310          | 53.5/10.5          | 12.2           | 55                 |