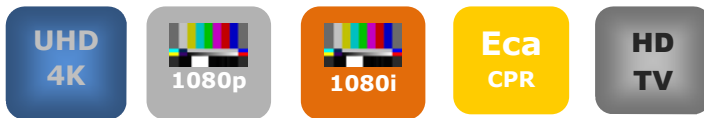


## ULTRA HD PRO 50 UHD

### Video cable 75 Ω for installation



### Application

Video cables are primarily used in closed circuit TV systems and in several studio applications for transmission of video content.

### Standards

Designed for 12Gbit/s, 4K (SMPTE 2082), UHD, also for Composite, Component, SDI, SDV, SDTI, HDTV (1080i, 720p, 1080p)

### Flame resistance

FRNC: IEC 60332-1; IEC 60754-2; IEC 61034

### Construction:

|                 |  |
|-----------------|--|
| Inner conductor | Solid copper wire, silvered, diameter 0.7 mm   |
| Insulation      | Foam-PE, diameter 2.9 mm   |
| Outer conductor | AL-PET-AL-foil under tinned copper braid   |
| Sheath          | PVC or FRNC, green RAL 6018, diameter 4.5mm  |
| Sheath marking  | <b>DRAKA ULTRA HD PRO 50 UHD</b> SMPTE 292M, SMPTE 424M, 4K, 8K, 12G batch number and metermarking |

## ULTRA HD PRO 50 UHD

### Electrical properties

at 20°C

|                          |                 |               |
|--------------------------|-----------------|---------------|
| DC resistance            | Inner conductor | 46 Ω/km       |
|                          | Outer conductor | 20 Ω/km       |
| Mutual capacitance       |                 | 56 pF/m       |
| Characteristic impedance |                 | 75 Ω          |
| Velocity ratio           |                 | 78 %          |
| Screening factor         |                 | ≥ 100dB       |
| Temperature range        |                 | -30° to +75°C |

### Electrical data (nominal)

at 20°C

| Frequency (MHz) | Attenuation (dB/100m) |  | Return loss (dB)<br>several peaks are allowed |      |
|-----------------|-----------------------|--|---|------|
|                 |                       |  | Frequency (MHz)                               |      |
| 1               | 2.4                   |  | 50 - 300                                      | > 26 |
| 5               | 2.2                   |  | 300 - 3000                                    | > 22 |
| 10              | 3.1                   |  | 3000 - 3500                                   | > 18 |
| 100             | 10.1                  |  | 3500 - 6000                                   | > 15 |
| 200             | 13.9                  |  | 6000 - 12000                                  | > 15 |
| 300             | 16.7                  |  |   |      |
| 500             | 22.0                  |  |   |      |
| 750             | 26.8                  |  |   |      |
| 800             | 28.0                  |  |   |      |
| 1000            | 31.2                  |  |   |      |
| 1500            | 39.1                  |  |   |      |
| 2000            | 45.4                  |  |   |      |
| 3000            | 55.6                  |  |   |      |
| 4000            | 65.7                  |  |   |      |
| 5000            | 72.8                  |  |   |      |
| 6000            | 81.0                  |  |   |      |
| 9000            | 99.2                  |  |   |      |
| 10000           | 104.6                 |  |   |      |
| 12000           | 114.6                 |  |   |      |
| 15000           | 128.1                 |  |   |      |

### Technical data

| Product code    | Type                | Weight<br>kg/km | Standard delivery length<br>m | Drum size<br>PWD | Copper content | Tensile force<br>N | Bending radius<br>mm | Storage |
|-----------------|---------------------|-----------------|-------------------------------|------------------|----------------|--------------------|----------------------|---------|
| <b>60055255</b> | ULTRA HD PRO 50 UHD | 27.5            | 1000                          | 400/120/<br>280  | 14             | 60                 | 45                   | inside  |

**ULTRA HD PRO 50 UHD****Product Code Table**

| <b>Product Description</b> | <b>Product Code</b> | <b>PG Reference Code</b> | <b>PG Part Number</b> |
|----------------------------|---------------------|--------------------------|-----------------------|
|                            |                     |                          |                       |
|                            |                     |                          |                       |