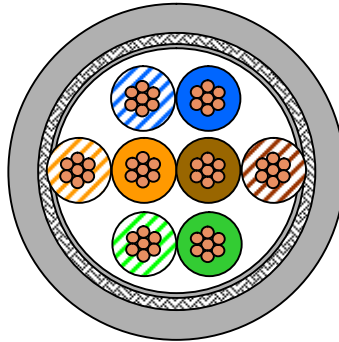


## UC300 HS26 Cat.5e

### SF/UTP AWG26/1 Anschluss,- und Verbindungskabel



### Einsatzgebiete

Anschluss,- und Verbindungskabel  
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;  
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

### Geltende Normen

EN 50173-1; EN 50288-2-2  
ISO/IEC 11801; IEC 61156-6  
TIA/EIA-568-B.2

### Flammwidrigkeit

LSHF(FRNC): IEC 60332-1; IEC 60754-2; IEC 61034

### Kabelaufbau

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Leiter               | Cu-Litze, blank Ø 0,48 mm (AWG26/1)                                         |
| Isolierung           | Polyethylen, Ø 0,95 mm                                                      |
| Verseilung           | 2 Adern zum Paar                                                            |
| Verseilung zur Seele | 4 Paare zur Seele                                                           |
| Gesamtschirm         | Aluminium-beschichtete Kunststoff-Verbundfolie und Kupfergeflecht, verzinkt |
| Schutzmantel         | LSHF(FRNC)                                                                  |

### Mechanische Eigenschaften

|                           |                   |                  |
|---------------------------|-------------------|------------------|
| Biegeradien               | ohne Zugbelastung | ≥ 25 mm          |
|                           | mit Zugbelastung  | ≥ 50 mm          |
| Betriebstemperaturbereich | ruhend            | -20°C bis + 60°C |
|                           | bewegt            | 0°C bis + 50°C   |

## UC300 HS26 Cat.5e

### Elektrische Eigenschaften

bei 20°C ± 5°C

|                                      |                                       |               |
|--------------------------------------|---------------------------------------|---------------|
| Schleifenwiderstand                  |                                       | ≤ 340 Ω /km   |
| Widerstandsunsymmetrie               |                                       | ≤ 2%          |
| Isolationswiderstand                 | (500 V)                               | ≥ 5000 MΩ *km |
| Kapazität                            | bei 800 Hz                            | Nom. 48 nF/km |
| Kapazitätsunsymmetrie                | (Paar/Erde)                           | ≤ 1200 pF/km  |
| Mittlerer Wellenwiderstand           | 100 MHz                               | 100 ± 5 Ω     |
| Relative Ausbreitungsgeschwindigkeit |                                       | Ca. 67 %      |
| Signallaufzeit                       |                                       | 535 ns/100m   |
| Laufzeitunterschied                  |                                       | 20 ns/100m    |
| Prüfspannung                         | (DC, 1 min) Ader/Ader und Ader/Schirm | 1000 V        |
| Kopplungswiderstand                  | bei 1 MHz                             | ≤ 30 mΩ /m    |
|                                      | bei 10 MHz                            | ≤ 30 mΩ /m    |
|                                      | bei 30 MHz                            | ≤ 50 mΩ /m    |
| Kopplungsdämpfung                    |                                       | ≥ 75 dB       |

### Elektrische Daten (nominal)

gem. Cat.5e (bei 20°C)

| F (MHZ) | Attenuation (dB/10m) | NEXT (dB) | PS-NEXT (dB) | ACRF (dB/100m) | PS- ACRF (dB/100m) | Return loss (dB) |
|---------|----------------------|-----------|--------------|----------------|--------------------|------------------|
| 1,0     | 0,3                  | 71        | 68           | 68             | 65                 | 23               |
| 4,0     | 0,6                  | 62        | 59           | 56             | 53                 | 23               |
| 10,0    | 0,9                  | 56        | 53           | 48             | 45                 | 23               |
| 16,0    | 1,1                  | 53        | 50           | 44             | 41                 | 23               |
| 20,0    | 1,3                  | 51        | 48           | 42             | 39                 | 23               |
| 31,2    | 1,6                  | 49        | 46           | 38             | 35                 | 23               |
| 62,5    | 2,4                  | 44        | 41           | 32             | 29                 | 23               |
| 100,0   | 3,0                  | 41        | 38           | 28             | 25                 | 23               |
| 125,0   | 3,3                  | 40        | 37           | 26             | 23                 | 23               |
| 155,5   | 3,6                  | 38        | 35           | 24             | 21                 | 23               |
| 175,0   | 3,9                  | 37        | 34           | 23             | 20                 |                  |
| 200,0   | 4,1                  | 36        | 33           | 22             | 19                 |                  |
| 250,0   | 4,4                  | 35        | 32           | 20             | 17                 |                  |
| 300,0   | 4,8                  | 34        | 31           | 16             | 13                 |                  |

## UC300 HS26 Cat.5e

### Technische Angebotsdaten

| Artikelnummer | Kurzbezeichnung               | Produktname                            | Farbe   | Außen-<br>durch-<br>messer | Brandlast |           | Gewicht<br>kg/km | Cu-<br>Zahl | Zug-<br>kraft<br>N |
|---------------|-------------------------------|----------------------------------------|---------|----------------------------|-----------|-----------|------------------|-------------|--------------------|
|               |                               |                                        |         | mm                         | MJ/k<br>m | kWh/<br>m |                  |             |                    |
| 1000453       | Li-2Y(St)CH<br>4x2x0,48L LSHF | UC300 HS26<br>Cat.5e<br>SF/UTP 4P LSHF | Grau    | 5,7                        | 369       | 0,103     | 37               | 22,5        | 100                |
| 1000450       |                               |                                        | Rot     |                            |           |           |                  |             |                    |
| 1000451       |                               |                                        | Grün    |                            |           |           |                  |             |                    |
| 1000452       |                               |                                        | Blau    |                            |           |           |                  |             |                    |
| 1000454       |                               |                                        | Gelb    |                            |           |           |                  |             |                    |
| 1000455       |                               |                                        | Schwarz |                            |           |           |                  |             |                    |

### Produkt Code Tabelle

| Produkt Beschreibung                     | Produkt Code    | PG Referenz Code | PG Artikel Nummer |
|------------------------------------------|-----------------|------------------|-------------------|
| UC300 HS26 C5e SF/UTPp 4P LSHF GY        | 1000453         | 60011598         | 60011598          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 25RW   | 1000453-00025RW | 60011598         | 60015958          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 50RW   | 1000453-00050RW | 60011598         | 60015955          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 100RW  | 1000453-00100RW | 60011598         | 60011596          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 500DW  | 1000453-00500DW | 60011598         | 60015948          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 500DP  | 1000453-00500DP | 60011598         | 60015950          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GY 1000DW | 1000453-01000DW | 60011598         | 60011597          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GN        | 1000451         | 60011595         | 60011595          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GN 100RW  | 1000451-00100RW | 60011595         | 60015925          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GN 500DW  | 1000451-00500DW | 60011595         | 60015929          |
| UC300 HS26 C5e SF/UTPp 4P LSHF GN 1000DW | 1000451-01000DW | 60011595         | 60015932          |
| UC300 HS26 C5e SF/UTPp 4P LSHF RD        | 1000450         | 60015914         | 60015914          |
| UC300 HS26 C5e SF/UTPp 4P LSHF RD 100RW  | 1000450-00100RW | 60015914         | 60015915          |
| UC300 HS26 C5e SF/UTPp 4P LSHF RD 500DW  | 1000450-00500DW | 60015914         | 60015918          |
| UC300 HS26 C5e SF/UTPp 4P LSHF RD 1000DW | 1000450-01000DW | 60015914         | 60015920          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BU        | 1000452         | 60015935         | 60015935          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BU 100RW  | 1000452-00100RW | 60015935         | 60015938          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BU 500DW  | 1000452-00500DW | 60015935         | 60015941          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BU 1000DW | 1000452-01000DW | 60015935         | 60015942          |
| UC300 HS26 C5e SF/UTPp 4P LSHF YE        | 1000454         | 60015960         | 60015960          |
| UC300 HS26 C5e SF/UTPp 4P LSHF YE 100RW  | 1000454-00100RW | 60015960         | 60015963          |
| UC300 HS26 C5e SF/UTPp 4P LSHF YE 500DW  | 1000454-00500DW | 60015960         | 60015965          |
| UC300 HS26 C5e SF/UTPp 4P LSHF YE 1000DW | 1000454-01000DW | 60015960         | 60015968          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BK        | 1000455         | 60015971         | 60015971          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BK 100RW  | 1000455-00100RW | 60015971         | 60015973          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BK 500DW  | 1000455-00500DW | 60015971         | 60015976          |
| UC300 HS26 C5e SF/UTPp 4P LSHF BK 1000DW | 1000455-01000DW | 60015971         | 60015978          |
| UC300 HS26 C5e SF/UTPp 4P LSHF VT        | 1003463         | 60015980         | 60015980          |
| UC300 HS26 C5e SF/UTPp 4P LSHF VT 1000DW | 1003463-01000DW | 60015980         | 60015983          |
| UC300 HS26 C5e SF/UTPp 4P PVC GY         | 1000241         | 60016540         | 60016540          |
| UC300 HS26 C5e SF/UTPp 4P PVC GY 500DP   | 1000241-00500DP | 60016540         | 60016542          |

## UC300 HS26 Cat.5e

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