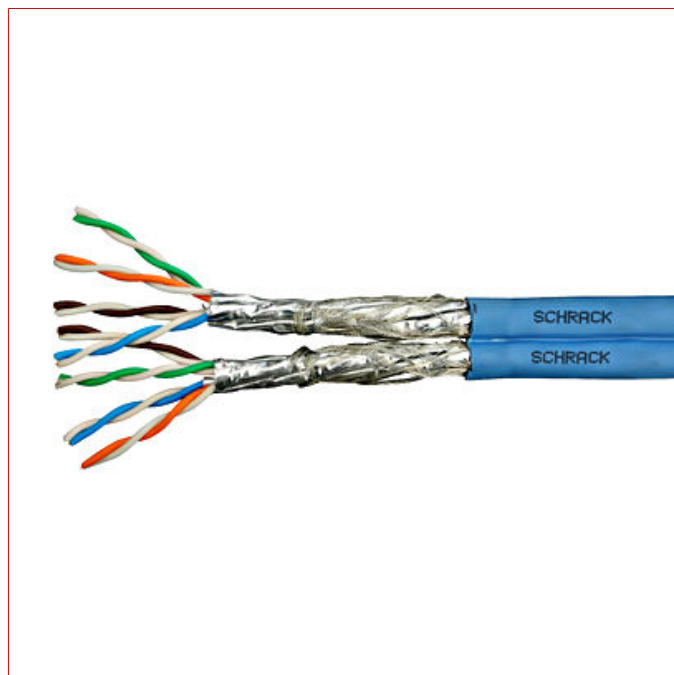


Datenblatt für Artikel: HSKP822HA5

# Kabel S/FTP C7a 2x(4x2xAWG23/1) 1200MHz LSOH-3 Dca BW 500m

Dca-s1,d1,a1 30% blauw



## SCHRACK-Info

- Installationcable for generic cabling systems.
- Support current and future applications requiring Class D to F<sub>A</sub> (z.B. 10GBase-T, 1000Base-T, 100Base-TX, 10Base-T, FDDI, ATM) as well as VoIP, PoE, 4PPoE
- Primary (Campus), Secondary (Backbone), Teritary (Horizontal)
- Version: Simplex

### STANDARDS:

- ISO/IEC 11801, EN 50173-1
- Better than category 7<sub>A</sub> according to IEC 61156-5, EN 50288-9-1
- Much better than IEEE 802.3an 10 Gigabit Ethernet

## Technische Daten

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| Categorie           | Cat.7 <sub>a</sub>                                         |
| Kabelafscherming    | S/FTP                                                      |
| Uitvoering geleider | Massieve koperdraad AWG23/1                                |
| Samenstelling kabel | 2 kabels met 4 afzonderlijk afgeschermdde, gestrande paren |

## Technische Daten - Fortsetzung

|                                                           |                                                                                                             |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Kleurcodering geleiders                                   | Paar 1: wit/ blauw<br>Paar 2: wit/ oranje<br>Paar 3: wit/ groen<br>Paar 4: wit/ bruin                       |
| Isolatiemateriaal                                         | Geschuimd polyethyleen                                                                                      |
| Dikte isolatie (mm)                                       | 1,42                                                                                                        |
| Afscherming                                               | Met afscherming                                                                                             |
| Afscherming paren                                         | Aluminium gelamineerd polyester                                                                             |
| Algemene afscherming                                      | Massief vertind koperdraad                                                                                  |
| Afscherming (%)                                           | 30                                                                                                          |
| Kabelmantel                                               | LS0H                                                                                                        |
| Materiaal buitenisolatie                                  | LS0H, FRNC conform<br>IEC 61034-1/2, EN 50268-1/2<br>IEC 60754-2, EN 50267-2<br>IEC 60332-1-2, EN 60332-1-2 |
| Euroklasse volgens EN50575                                | Dca                                                                                                         |
| Rook ontwikkeling/ dichtheid                              | s2                                                                                                          |
| Brandende druppels                                        | d2                                                                                                          |
| Weerstand zuurinwerking/ corrosiviteit                    | a1                                                                                                          |
| Kleur buitenmantel                                        | Blauw RAL5015                                                                                               |
| Brandbelasting (kJ/m)                                     | 1400                                                                                                        |
| Buitendiameter (mm)                                       | 7,5 x 16,6                                                                                                  |
| Nominaal gewicht (kg/km)                                  | 110                                                                                                         |
| Kleur                                                     | Blauw                                                                                                       |
| Temperatuursbereik - Werking (°C)                         | -30°C tot +60                                                                                               |
| Temperatuursbereik - Transport/ Opslag (°C)               | -30°C tot +60                                                                                               |
| Temperatuursbereik - Installatie (°C)                     | 0°C tot +50                                                                                                 |
| Buigradius kabel - Statisch (Ø)                           | 4                                                                                                           |
| Buigradius kabel - Dynamisch (Ø)                          | 8                                                                                                           |
| Maximale treksterkte (N)                                  | 180                                                                                                         |
| Weerstandsymmetrie: per paar / tussen paren (%)           | < 2 / < 4                                                                                                   |
| DC isolatieweerstand (MΩ*km)                              | ≥5000                                                                                                       |
| Diëlektrische sterkte geleider - geleider (2s) (kV DC)    | 2,5                                                                                                         |
| Diëlektrische sterkte geleider - afscherming (2s) (kV DC) | 2,5                                                                                                         |
| Wederzijdse capaciteit (nF/km)                            | < 56                                                                                                        |
| Capacitance unbalance pair to ground (pF/km)              | < 1600                                                                                                      |
| Karakteristieke impedantie (Ω)                            | 100 +/- 5                                                                                                   |
| Nominale voortplantingssnelheid (NVP) (%)                 | 76                                                                                                          |
| Kabellengtes                                              | RoL 500m                                                                                                    |
| IEEE Conformiteit                                         | PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4                                                            |

## Gegevens tabel: Kabel S/FTP Cat.7a 2x(4x2xAWG23/1) 1.200MHz LS0H-3 Dca 30%

|                         |      |      |      |     |      |      |     |     |     |     |     |      |      |     |
|-------------------------|------|------|------|-----|------|------|-----|-----|-----|-----|-----|------|------|-----|
| Frequentie              | 1    | 4    | 10   | 16  | 31,2 | 62,5 | 100 | 155 | 250 | 500 | 600 | 1000 | 1200 | MHz |
| Dämpfung                | 2,1  | 3,7  | 5,8  |     |      |      |     |     |     |     |     |      |      |     |
| NEXT                    | 78   | 78   | 78   |     |      |      |     |     |     |     |     |      |      |     |
| PS NEXT                 | 75   | 75   | 75   |     |      |      |     |     |     |     |     |      |      |     |
| ACR                     | 75,9 | 74,3 | 72,2 |     |      |      |     |     |     |     |     |      |      |     |
| PS ACR                  | 72,9 | 71,3 | 69,2 |     |      |      |     |     |     |     |     |      |      |     |
| ACR-F                   | 78   | 78   | 75,3 |     |      |      |     |     |     |     |     |      |      |     |
| PS ACR-F                | 75   | 75   | 72,3 |     |      |      |     |     |     |     |     |      |      |     |
| Rückflussdämpfung       | 20   | 23   | 25   |     |      |      |     |     |     |     |     |      |      |     |
| TCL Level 1             | 40   | 34   | 30   |     |      |      |     |     |     |     |     |      |      |     |
| EL TCTL                 | 35   | 23   | 15   |     |      |      |     |     |     |     |     |      |      |     |
| Ausbreitungsverzögerung | 570  | 552  | 545  | 543 | 540  | 539  | 538 | 537 | 536 | 536 | 536 | 535  | 535  |     |

## Gegevens tabel: Kabel S/FTP Cat.7a 2x(4x2xAWG23/1) 1.200MHz LS0H-3 Dca 30%

|                   |     |     |     |     |      |      |     |      |      |      |      |      |      |         |
|-------------------|-----|-----|-----|-----|------|------|-----|------|------|------|------|------|------|---------|
| Frequentie        | 1   | 4   | 10  | 16  | 31,2 | 62,5 | 100 | 155  | 250  | 500  | 600  | 1000 | 1200 | dB/100m |
| Dämpfung          | 1,9 | 3,5 | 5,6 | 7,1 | 10   | 14,1 | 18  | 22,6 | 28,9 | 41,3 | 45,6 | 60,2 | 66,7 | dB/100m |
| NEXT              | 103 | 100 |     |     |      |      |     |      |      |      | 89   | 88   | 87   | dB/100m |
| PS NEXT           | 100 | 97  |     |     |      |      |     |      |      |      | 86   | 85   | 84   | dB/100m |
| ACR               | 101 | 97  |     |     |      |      |     |      |      |      | 43   | 28   | 20   | dB/100m |
| PS ACR            | 98  | 94  |     |     |      |      |     |      |      |      | 40   | 25   | 17   | dB/100m |
| ACR-F             | 95  | 94  |     |     |      |      |     |      |      |      | 60   | 40   | 32   | dB/100m |
| PS ACR-F          | 92  | 91  | 90  | 88  | 87   | 84   | 82  | 79   | 68   | 62   | 57   | 37   | 29   | dB/100m |
| Rückflussdämpfung | 27  | 30  | 32  | 32  | 35   | 33   | 32  | 31   | 27   | 23   | 23   | 19   | 17   | dB/100m |

## Artikeltabelle

| BEZEICHNUNG                                                | NVP (%) | KUPFERGEWICHT (kg/km) | BEST.NR.   |
|------------------------------------------------------------|---------|-----------------------|------------|
| Kabel S/FTP C7a 2x(4x2xAWG23/1) 1200MHz LS0H-3 Dca BW 500m | 76      | 58                    | HSKP822HA5 |
| Dca-s1,d1,a1 30% blauw                                     |         |                       |            |
| <b>Optionele toebehoren</b>                                |         |                       |            |
| S-JACK Keystone RJ45 STP Cat.6a 10GB 4PPoE 100W SFB 24stk. |         |                       | HSEMRJ6GS2 |
| Per doos van 24stk.                                        |         |                       |            |
| S-JACK Keystone RJ45 STP Cat.6a 10GB 4PPoE 100W SFB 1stk.  |         |                       | HSEMRJ6GS1 |
| Beschikbaar per stuk                                       |         |                       |            |

## Artikeltabelle

| BEZEICHNUNG                                                                                                  | NVP (%) | KUPFERGEWICHT (kg/km) | BEST.NR.   |
|--------------------------------------------------------------------------------------------------------------|---------|-----------------------|------------|
| <b>Optionele toebehoren</b>                                                                                  |         |                       |            |
| TOOLLESS LINE Keystone RJ45 afgeschermd Cat.6a 10GB (SFA)<br>Beschikbaar per stuk                            |         |                       | HSEMRJ6GWA |
| TOOLLESS LINE Keystone RJ45 afgeschermd Cat.6a 10GB 24stks.<br>Schrack Form B, HSEMRJ6GBA verpakking 24stuks |         |                       | HSEMRJ6GB2 |
| TOOLLESS LINE Keystone RJ45 afgeschermd Cat.6a 10GB (SFB)<br>Schrack Form B, HSEMRJ6GBA verpakking per stuk  |         |                       | HSEMRJ6GBA |
| Kabelafroller <250kg breedte <52cm                                                                           |         |                       | HTOOL00006 |
| Kabelbinder Velcro 16mm rol 4m blauw                                                                         |         |                       | Q7KB0416-B |
| Kabelbinder Velcro 16mm rol 4m rood                                                                          |         |                       | Q7KB0416-R |
| Kabelbinder Velcro 16mm rol 4m zwart                                                                         |         |                       | Q7KB0416-S |
| Kabelbinder Velcro 16mm rol 4m geel                                                                          |         |                       | Q7KB0416-Y |
| Kabelbinder Velcro 16mm rol 4m groen                                                                         |         |                       | Q7KB0416-U |