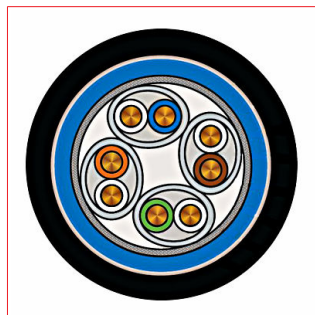
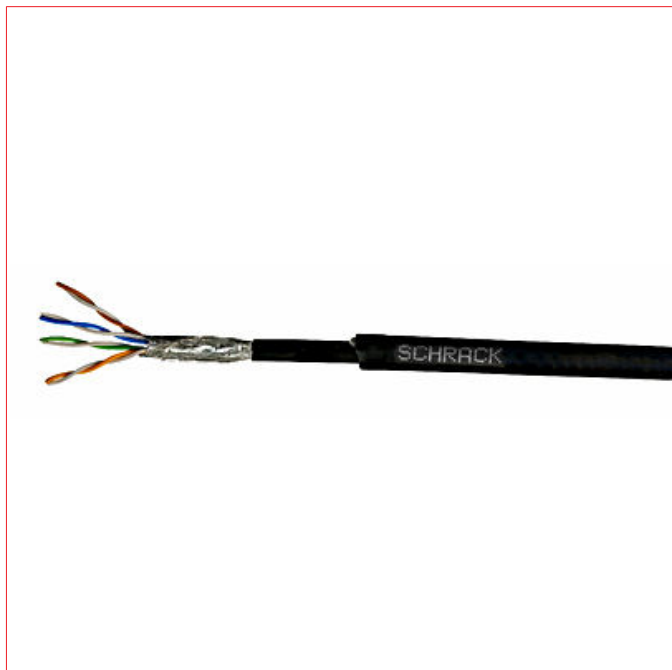


Данни за артикула: HCKP08-04E

## S/FTP Кабел Cat.7, 4x2xAWG23/1, 800Mhz, PE OUTDOOR, черен



### SCHRACK-Info

The FutureCom™ S/FTP 800/23 outdoor cable with diffusion barrier is designed for applications up to 800 MHz and its transmission characteristics exceed Category 7 specifications according to EN 50288-4-1 and IEC 61156-5.

High system margins for the complete link according to ISO/IEC 11801 (2002) and EN 50173-1 (2003) will be achieved by using corresponding hardware together with this high-end copper cable.

Due to very low delay skew between the pairs these FutureCom cable are especially suitable for Gigabit Ethernet and also for transmission of digital data for future applications up to 10 Gigabit Ethernet according to IEEE 802.3an.

Each pair is individually foil shielded. The strained pairs (PiMF) are also sheathed with a braid shield (S/FTP), which guaranteed outstanding shielding characteristics. The cable satisfies Class B interference radiation standards according to EN 55022, as well as immunity according to EN 55024, which enables the realization of CE-compatible networks.

### FEATURES

- S/FTP 800/23 outdoor cable specified up to 800 MHz
- Outstanding electrical characteristics
- Each twisted pair is shielded with metal foil (PiMF)
- Full copper braid shield
- Includes a diffusion barrier (Aluminum band and PE sheath, UV resistant)
- Low skew between the pairs
- Halogen-free (LSZH)
- Non-corrosive according to IEC 60754-2 (FRNC) and EN 50267

- Low smoke according to IEC 61034 and EN 50268
- Can be directly buried



## Технически данни

|                                            |                                                                                              |
|--------------------------------------------|----------------------------------------------------------------------------------------------|
| Категория                                  | Cat.7                                                                                        |
| Конструкция на кабела                      | S/FTP                                                                                        |
| Conductor                                  | 4 individual shielded pairs                                                                  |
| Conductor material                         | Solid bare copper AWG23/1 (0.58mm)                                                           |
| Color code pairs                           | Pair 1 White / Blue<br>Pair 2 White / Orange<br>Pair 3 White / Green<br>Pair 4 White / Brown |
| Изолация на проводника                     | Halogen-free foam/skin material                                                              |
| Изолационен материал                       | Polyethylene (PE)                                                                            |
| Екранировка                                | ширмован                                                                                     |
| Pair-Foil                                  | Laminated aluminium polyester, Aluminium facing outside (PiMF)                               |
| Overall Shield                             | Solid tinned copper                                                                          |
| Външна изолация на кабела                  | PE (Outdoor)                                                                                 |
| Burning load (kJ/m)                        | 2980                                                                                         |
| Външен диаметър (mm)                       | 11,7                                                                                         |
| Weight nominal (кг/км)                     | 126                                                                                          |
| Цвят                                       | Черно                                                                                        |
| Мин. околна температура (°C)               | -40                                                                                          |
| Макс. околна температура (°C)              | 60                                                                                           |
| Температурен обхват - работен (°C)         | -40 to +60                                                                                   |
| Температурен обхват - при инсталиране (°C) | +0 to +50                                                                                    |
| Bending radii cable - Static (Ø)           | 3                                                                                            |
| Bending radii cable - Dynamic (Ø)          | 6                                                                                            |
| Max. pulling tension (N)                   | 367                                                                                          |
| Номинално напрежение                       | < 72V DC and < 50V AC                                                                        |
| DC устойчивост при 20° C (Ohm/100m)        | 125 ± 20%                                                                                    |
| Импеданс (Ohm)                             | 100                                                                                          |
| Insulation resistance                      | > 5000MΩ/km                                                                                  |
| Propagation delay (ns/m)                   | 4                                                                                            |
| Вместимост (nF/km)                         | 43                                                                                           |
| RoHS                                       | Compliant with EU directive 2002/95/EC                                                       |
| Разлика в съпротивлението (%)              | 1                                                                                            |
| Signal propagation time (ns/m)             | 4,2                                                                                          |
| Coupling Resistance                        | 10mΩ/m @ 10MHz                                                                               |
| Coupling damping typical (dB)              | 88                                                                                           |
| Локация/местоположение                     | Outdoor, direct ground laying                                                                |
| Diffusion barrier                          | yes                                                                                          |

## Технически данни - продължение

|                    |          |
|--------------------|----------|
| NVP (%)            | 79       |
| Нето дължина (mm)  | 1.000,00 |
| Нето тегло (kg)    | 0,13     |
| Нето диаметър (mm) | 11,70    |

## REFERENCE STANDARD: IEC 61156-5

| Frequency   | 1    | 10   | 16   | 20   | 31,25 | 62,5 | 100  | 300  | 600  | 800 | MHz     |
|-------------|------|------|------|------|-------|------|------|------|------|-----|---------|
| Attenuation | 2,1  | 5,8  | 7,3  | 8,2  | 10,3  | 14,6 | 18,5 | 32,7 | 47,1 | -   | dB/100m |
| NEXT        | 78   | 78   | 78   | 78   | 78    | 75,5 | 72,4 | 65,2 | 60,7 | -   | dB/100m |
| PS NEXT     | 75   | 75   | 75   | 75   | 75    | 72,5 | 69,4 | 62,2 | 57,7 | -   | dB/100m |
| ACR-F       | 78   | 74   | 69,9 | 68   | 64,1  | 58,1 | 54   | 44,5 | 38,4 | -   | dB/100m |
| PS ACR-F    | 75   | 71   | 66,9 | 65   | 61,1  | 55,1 | 51   | 41,5 | 35,4 | -   | dB/100m |
| ACR-N       | 75,9 | 72,2 | 70,7 | 69,8 | 67,7  | 60,9 | 53,9 | 16,8 | 13,6 | -   | dB/100m |

## TYPICAL VALUES

| Frequency   | 1    | 10   | 16   | 20   | 31,25 | 62,5 | 100  | 300  | 600 | 800 | MHz     |
|-------------|------|------|------|------|-------|------|------|------|-----|-----|---------|
| Attenuation | 1,7  | 5    | 6,5  | 7,3  | 9,2   | 13,2 | 16,9 | 30,7 | 44  | 53  | dB/100m |
| NEXT        | >100 | >100 | >100 | >100 | >100  | >100 | 99   | 95   | 91  | 87  | dB/100m |
| PS NEXT     | 98   | 98   | 98   | 98   | 98    | 98   | 97   | 93   | 89  | 85  | dB/100m |
| ACR-F       | 93   | 93   | 93   | 93   | 90    | 86   | 83   | 68   | 51  | -   | dB/100m |
| PS ACR-F    | 91   | 91   | 91   | 91   | 88    | 84   | 81   | 66   | 49  | -   | dB/100m |
| ACR-N       | 98,3 | 95   | 93,5 | 92,7 | 90,8  | 86,8 | 82,1 | 64,3 | 47  | 34  | dB/100m |

Typical values are for information only.

## Таблица с артикули

| Описание                                                          | NVP (%) | Тегло на медта (kg/km) | Артикулен No. |
|-------------------------------------------------------------------|---------|------------------------|---------------|
| S/FTP Кабел Cat.7, 4x2xAWG23/1, 800Mhz, PE OUTDOOR, черен         | 79      | 33                     | HCKP08-04E    |
| <b>Акcesoари</b>                                                  |         |                        |               |
| PERFORMANCE LINE Кийст. RJ45 екp., Cat.6a 10GB 4PPoE 100W (SFB)   |         |                        | HSPMRJ6G1A    |
| PERFORMANCE LINE Кийст. жак RJ45 екpиpан, Cat.6a 10GB PoE+ (SFB)  |         |                        | HSPMRJ6G1T    |
| TOOLLESS LINE Кийстоун жак RJ45 екpиpан, Cat.6a, 10GB (SFA) (SFA) |         |                        | HSEMRJ6GWA    |
| TOOLLESS LINE Кийстоун жак RJ45 екpиpан, Клас Ea, 10GB(SFA) (SFA) |         |                        | HSEMRJ6GWT    |
| Велкро кабелна лента черна 16mm x 4m                              |         |                        | Q7KB0416-S    |
| Велкро лента синя 16mm x 4m                                       |         |                        | Q7KB0416-B    |
| Велкро лента за кабели червена 16mm x 4m                          |         |                        | Q7KB0416-R    |
| Велкро кабелна лента жълта 16mm x 4m                              |         |                        | Q7KB0416-Y    |
| Велкро кабелна лента зелена 16mm x 4m                             |         |                        | Q7KB0416-U    |