

## DIGITUS® CAT 7, S-FTP Multipair-Trunk Cables



✓ Category 7, S-FTP

✓ LSZH

✓ Trunk cable pre-assembled or raw

✓ Inclusive CAT 6<sub>A</sub> Keystone Modules

### Abstract

CAT 7, S-FTP Multipair-Trunk Cables, pre-assembled or raw

### Features

- CAT 7, S-FTP, 1000 MHz, LSZH
- Includes twelve internal FR-LSZH jacketed cables
- Every internal cable contains 4 single foil shielded twisted pair cables
- Assembled with 24x DIGITUS® CAT 6<sub>A</sub> Keystone Modules
- Various lengths available
- Raw cable available

### Product Overview

The cable contains twelve 1000 MHz S-FTP internal FR-LSZH jacketed cables. Every internal cable contains 4 single foil shielded twisted pair cables. These are also connected to the filling material FR-LSZH. All cables are numbered, which makes an easy identification possible. The cable structure is optimal for CAT 7<sub>A</sub> properties and applications e.g. for the connection of cabinets in data centers.

### Physical Properties

Physical Properties	
Conductor material	Bare copper
Conductor size	AWG 23
Conductor construction	Solid
Insulation material	PO
Insulation O.D.	1.34 mm nominal
Color code	TIA/EIA 568-B
Ind. shield material	Aluminium/Polyester Folie
Overall braid material	Tinned copper
Braid coverage	35% nominal
Inner jacket material	FR-LSZH
Inner jacket diameter	7.1 mm
Inner jacket color	Light grey
Total number of wires	96

## Mechanical and Electrical Properties

Mechanical and Electrical Properties	
Frequency range	1 - 1000 MHz
Impedance	100 Ω
Coupling attenuation	Type 1
Max. DC resistance	93 Ω/km@20°C
Max. resistance unbalance	2%
Capacitance unbalance	1,2 pF / m max.
Velocity of propagation	78% nominal
Propagation delay skew	20 ns/100m max.
Dielectric strength	700 V / Minute
Dielectric strength to shield	700 V / Minute
Min. insulation resistance	5 GΩ/km
Max. tensile strength - short term	400 N
Min. bending radius	400 mm
Operating temperature range	-40 °C - 60 °C

## Product Images

DK-1741-12-001-RAW



### Product Number Information

DK-1741-12-050	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 5 m
DK-1741-12-060	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 6 m
DK-1741-12-070	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 7 m
DK-1741-12-080	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 8 m
DK-1741-12-090	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 9 m
DK-1741-12-100	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 10 m
DK-1741-12-110	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 11 m
DK-1741-12-120	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 12 m
DK-1741-12-140	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 14 m
DK-1741-12-150	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, incl. 24x DIGITUS <sup>®</sup> CAT 6 <sub>A</sub> Module, 15 m
DK-1741-12-001-RAW	Multipair-Trunk Cable, S-FTP, CAT 7, AWG 23, 1000 MHz, HFFR, 12 pair, raw cable, length 1 m