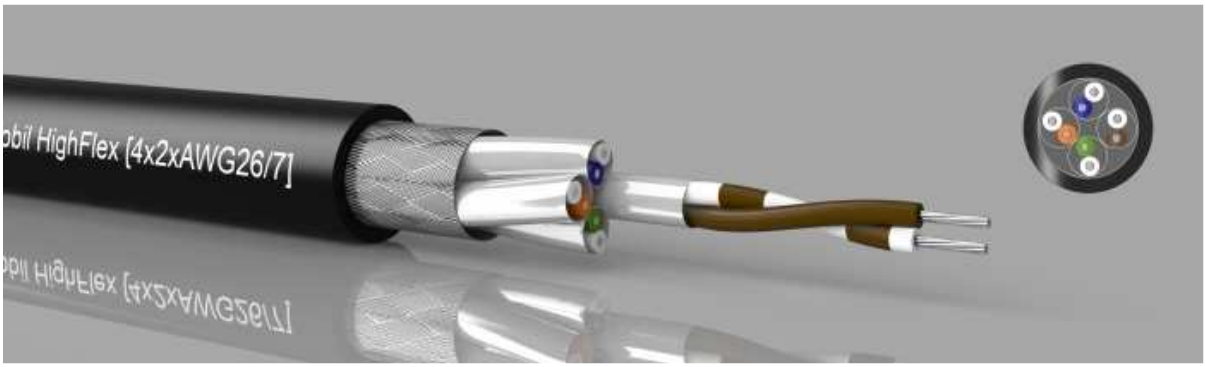
kabeltronik®

LAN cables

CAT 7 Mobil HighFlex STP-C



Application:

Very flexible Data cable for local area networks (LAN) up to 600 MHz. By using flexible conductors as well as an extra thick soft-pvc jacket, optimallly suitable for mobile applications e.g. as patch cable and / or for the event technology.

Construction:

Conductor:	tinned stranded copper wire
Structure of conductor:	AWG 26/7
Core insulation:	Cell PE, Foam Skin
First twisting:	cores to pairs
Pair screen:	AL-Foil (PimF)
Twisting:	pairs to cable rope
Total screen:	tinned copper braid
Jacket:	soft-pvc, black

Technical characteristics:

Characteristic impedance:	100 +/- 5 Ohm @ 100 MHz
Capacity:	approx. 45 pF/m
Insulation resistance:	> 2 GOhm x km at + 20℃
Signal propragation time:	max. 450 ns / 100m
Delay time:	< 3 ns / 100m
Attenuation:	1 MHz: 2,8
	10 MHz: 8,5
	100MHz: 27,0
	300MHz: 47,0
	600MHz: 67,5

Temperature range:	static: -25℃ up to +70℃
	dynamic: -15℃ up to +70℃
Bending radius:	mobil: min. 12x O.D.
	one-time: min. 7x O.D.

Packaging:

rings, reels

Product range

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Order no.	dimension (AWG)	O.D. (ca. mm)	weight (kg/km)	co.-weight (kg/km)
531826700	4x2xAWG 26/7	7,3	52	25