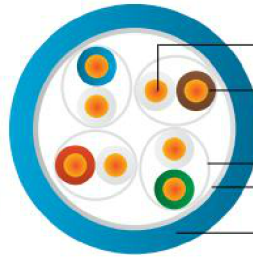
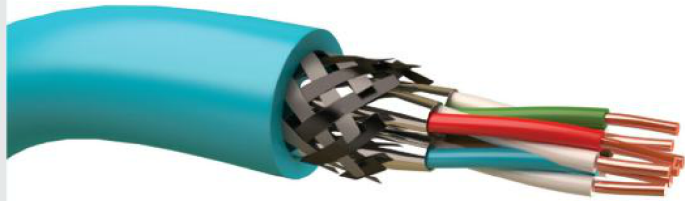


# COPPER CABLES



Conductor	Bare copper wire, AWG 22/1
Insulation	Cellular-PE, core-diameter:
Twisting element	nominal value 1.6 mm Pair
Individual shielding	Aluminium-bonded polyester foil, metal side outside (PiMF)
Twisting	4 pairs
Overall shielding	Tinned copper braiding
Outer sheath	Halogen-free, flame-retardant compound

## C7 S/FTP SOLID CABLE-900MHZ

### Structure

23 AWG solid copper conductors  
Foam/skin PE insulation  
Aluminum foil around each pair  
Braid around four pairs  
FR PVC/PE/LSZH jacket

### Standard

ANSI/TIA/EIA -568-B.2-10 (900 MHz)  
ISO/IEC 61156-5  
EN 50173  
EN 50288-4-1  
ISO/IEC 11801

### Applications:

Installation cable for generic cabling systems acc. ISO/IEC 11801 and EN 50173 (2. edition)  
Ideal for all applications of classes D up to F Multimedia (TV, Video, Data, Voice) >10 GbE acc. IEEE 802.3 an, cable sharing, VOIP, PoE

### Fire behavior

Flame retardant: acc. to IEC 60332-3-24  
Halogen acid gas emission: acc. to IEC 60754-2  
Smoke density: acc. to IEC 61034  
Calorific value (MJ/m): 0.6(Sx) /1.2(Dx) (approx.)

### Mechanical characteristics

Bending radius: During installation: 8 x overall Diameter (min.) & after installation: 4 x overall Diameter (min.)  
Tensile strength: 110 (max.), Crush (N/100 mm): 1,000  
Impact (number of shocks): 10

### Chemical characteristics

Free of hazardous substances acc. to RoHS 2002/95/EG

### Thermal characteristics

Temperature range for fixed installation: -20°C up to +60°C  
Temperature range for mobile operation: 0°C up to +50°C

Frequency	Attenuation dB/100m		NEXT dB		PS-NEXT dB		ACR dB@100m		PS-ACR dB@100m		EL-FEXT dB@100m		PS-ELFEXT dB@100m		RL dB	
	typ.	Cat. 7 max.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*	typ.	Cat. 7 min.*
1	1.9	2	102	80	99	77	101	78	98	75	109	80	106	77	25.4	23
10	4.8	5.7	102	80	99	77	98	74	95	71	108	74	105	71	31.1	25
100	16.4	18.5	102	72	99	69	86	54	83	51	93	54	90	51	33.2	20.1
200	24.5	26.8	102	68	99	65	78	41	75	38	85	48	82	45	33.2	18
250	27.8	30.2	102	66	99	63	75	36	72	33	82	46	79	43	33.4	17.3
450	36.1	41.6	97	63	94	60	61	21	58	18	72	41	69	38	31.4	17.3
500	38.2	44.1	97	62	94	59	59	18	56	15	68	40	65	37	30.5	17.3
600	42.9	48.9	92	61	89	58	49	12	46	9	62	38	59	35	27.6	17.3
700	47.7	-	92	-	89	-	44	-	41	-	59	-	56	-	26.2	-
800	50.8	-	90	-	87	-	39	-	36	-	56	-	53	-	23.9	-
900	55.1	-	85	-	82	-	30	-	27	-	52	-	49	-	21.7	-

Part Number	Size	Jacket type	AWG	Reel	Color sheath
CC700013	4P	LSZH	23	500m	BLUE, RAL 5015
CC700033	2x4P	LSZH	23	500m	BLUE, RAL 5015

\* EN 50288-4-1(2004)/ IEC 61156-5(2002)

