

**Pair
AWG 20**

Shielded twisted pair control signal cables
AWG 20 = 0.56 mm² (7 x 0.32, tinned)

UL Style
N° 2464/1061

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Summary

Technical data

Copper conductors in AWG sizes, 7-wire, UL 1061 and VDE 0881

Small core and cable diameters

No filling material in the outer layers

No twist markings

Will not break under vibration

Very flexible

Heat resistant

Cold resistant

Oil resistant to a limited extent

Petrol resistant to a limited extent

Flame-retardant as per UL VW-1/CSA FT-1

Resistant to weathering

Ultraviolet resistant

Especially suitable for insulation displacement and crimp connectors



Label (USA Etikett)

Suitable for: digital signal connections in and between electrical systems, control systems, regulation systems, measurement systems, signalling systems and pulsed signal systems. Shielded against external interference.

Connection system: low-cost connection using insulation displacement connectors.

Core structure: As per Style No.1061 and VDE 0881, copper strands 7 x 0.32 mm \varnothing tinned = 0.56 mm², insulated with semi-rigid PVC. Insulation wall thickness 0.25 mm, \varnothing of insulated core 1.5 mm.

Core labelling: international colour code (see page 7).

Twisted structure: 2 cores are twisted to a pair, the pairs are then twisted clockwise layer by layer (started with the colours black/brown) from inside out to form the cable core. No filling material is used in the outer layers.

Pair twist length: approx. 38 mm

Wrapping and shield: the twisted pair bundles are wrapped in overlapping transparent plastic foil and shielded with a dense braid of tinned copper wires, visual coverage \geq 85%. An additional shield wire composed of tinned copper wires (7 x 0.32 mm \varnothing) is connected to the shield.

Outer jacket: special PVC. Colour is black as per RAL 9005. No twist markings.

The PVC mixture is oil resistant to a limited extent, petrol resistant to a limited extent, flame-retardant, heat resistant and cold resistant.

Wall thickness of outer jacket: 1-pair = 0.8 mm, all others = 1.0 mm.

Temperature range:

Heat resistant	105°C as per DIN ISO 6722 (outer jacket)
	80°C (Cores)
Cold resistant	-10°C unrolling and installing
	-30°C storage and operation

Electrical properties:

Operating voltage	300 V
Test voltage	1,500 V
Conductor resistance	(20°C) 34.6 Ω /km
Insulation resistance	(20°C) 153 M. Ω x km
Operating capacitance	core/core, shield earthed approx. 108 pF/m

Mechanical properties:

Once-only bending radius	5 X outer diameter
Repeated bending radius	20 X outer diameter

Net price including copper

Ordering information

100 m weights approx.	Total \varnothing \pm 3%	Number of pairs	Number of cores	Sample quantities under 100 metres	in EUR per 100 m on collection upwards			Pair	AWG no. Shield	Jacket colour
					Price for 1 m	100 m	500 m			
4.8 kg	5.2 mm	1	2	2.90	196.00	147.00	98.00			1P x AWG 20 C UL black
8.7 kg	7.5 mm	2	4	3.30	220.00	165.00	110.00			2P x AWG 20 C UL black
10.9 kg	7.9 mm	3	6	4.10	272.00	204.00	136.00			3P x AWG 20 C UL black
12.8 kg	8.5 mm	4	8	4.90	328.00	246.00	164.00			4P x AWG 20 C UL black
17.2 kg	10.1 mm	6	12	7.00	464.00	348.00	232.00			6P x AWG 20 C UL black
22.6 kg	11.2 mm	8	16	8.30	556.00	417.00	278.00			8P x AWG 20 C UL black

Normal stock unit: 100-m ring. Short sample (20 cm) free of charge.

No copper surcharge.

Cutlengths are without Label.



You can contact us **at any time** during our business hours.
Monday to Thursday from 7.30 a.m. to 4.00 p.m. and Friday from 7.30 a.m. to 2.00 p.m.

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