

## Netzwerkkabel RJ45 Cat 5e / Cat 6 / Cat 6A

### Network Cables RJ45 Cat 5e / Cat 6 / Cat 6A

#### Technische Daten / Technical Data

Mantelmaterial PVC  
*Sleeve Material PVC*  
 Material Umspritzung PVC  
*Mold Material PVC*  
 Adermaterial Reinkupfer  
*Strand material Pure Copper*  
 Farbe Entspr. Bestelloptionen (Standard: Grau)  
*Colour Acc. to part number (standard: grey)*  
 Spannungsfestigkeit 300 V max.  
*Test Voltage 300 V max.*  
 Temperaturbereich siehe Tabelle  
*Temperature Range Acc. to table*



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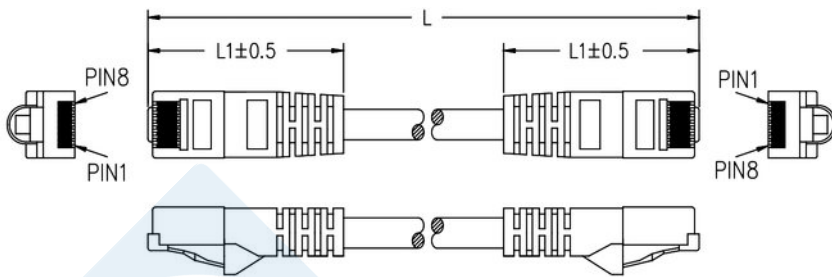
Cable Construction	Plug Type	Cable Outer Diameter (mm, nominal)	Plug Length (L1, mm)	Max. Length in m (L)	Cable Spec	Temperature Range	Wire Gauge (AWG)	Minimum Bending Radius (mm)	Resistance per km (for raw cable)	UL Approval
RC5-UU26	45s	5.3 (round)	34.1	50	Cat 5e (Class D), U/UTP	-10 °C to +75 °C	26	53	139.8 Ω/km	CM
RC5-FU24	45sh	6.2 (round)	39.8	50	Cat 5e (Class D), F/UTP	-10 °C to +75 °C	24	62	93.8 Ω/km	CM
RL5-UU24 LSZH	45s	5.3 (round)	33.0	50	Cat 5e (Class D), U/UTP	-10 °C to +75 °C	24	53	93.8 Ω/km	None

LSZH: raucharm halogenfrei / low smoke zero halogen

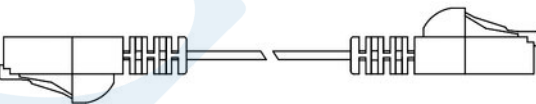
Series	Plug Type*	Contacts	Cable Type*	Contact Plating	Length (mm)*	Colour*
<b>660</b>	<b>45sh</b>	<b>0808</b>	<b>RC6-FU24</b>	<b>90</b>	<b>03000</b>	<b>60</b>
	45sh Geschirmt <i>Shielded</i> 45s Ungeschirmt <i>Unshielded</i>	0808 8 Contacts	RC5-UU26 RC5-FU24 RL5-UU24  Andere Spezifikationen und Kabelfarben auf Anfrage <i>Other specifications and cable colours on request</i>	90 1.27µm Au (Standard)	00300 0.3m 01000 1.0m 03000 3.0m 05000 5.0m 15000 15.0m	60 Grau (Standard) <i>Grey (Standard)</i> 10 Schwarz <i>Black</i> 20 Rot <i>Red</i> 25 Orange <i>Orange</i> 30 Blau <i>Blue</i> 50 Gelb <i>Yellow</i> 70 Weiß <i>White</i>

# 660

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Tolerances for L: ≤200±10mm ≤1000±20mm ≤1500±25mm ≤2100±30mm >2100±40mm



Orientation of connectors for flat cable version -FC6-UU32-

Cable Spec	Bandwidth	Ethernet
Cat 5e	100 MHz	1Gbit/s
Cat 6	250 MHz	1Gbit/s
Cat 6A	500 MHz	10Gbit/s

Cable Construction	Plug Type	Cable Outer Diameter (mm, nominal)	Plug Length (L1, mm)	Max. Length in m (L)	Cable Spec	Temperature Range	Wire Gauge (AWG)	Minimum Bending Radius (mm)	Resistance per km (for raw cable)	UL Approval
RC6-UU24	45s	6.8 (round)	34.8	20	Cat 6 (Class E), U/UTP	-10 °C to +75 °C	24	68	93.8 Ω/km	CM
FC6-UU32	45s	1.5 x 6.0 (flat)	33.5	20	Cat 6 (Class E), U/UTP	-10 °C to +60 °C	32	15	561.3 Ω/km	None
RL6-UU24 LSZH	45s	6.2 (round)	34.8	20	Cat 6 (Class E), U/UTP	-10 °C to +75 °C	24	62	93.8 Ω/km	None
RC6-FU24	45sh	6.2 (round)	39.8	40	Cat 6 (Class E), F/UTP	-10 °C to +75 °C	24	62	93.8 Ω/km	CM
RC6-SU24	45sh	7.2 (round)	39.8	40	Cat 6 (Class E), SF/UTP	-10 °C to +75 °C	24	72	93.8 Ω/km	CM
RC6A-UU24	45s	6,9 (round)	34.5	20	Cat 6A, U/UTP	-10 °C to +75 °C	24	69	93.8 Ω/km	CM

LSZH: raucharm halogenfrei / low smoke zero halogen

Series	Plug Type*	Contacts	Cable Type*	Contact Plating	Length (mm)*	Colour*
<b>660</b>	<b>45sh</b>	<b>0808</b>	<b>RC6-FU24</b>	<b>90</b>	<b>03000</b>	<b>60</b>
	45sh Geschirmt Shielded 45s Ungeschirmt Unshielded	0808 8 Contacts	RC6-UU24 FC6-UU32 RL6-UU24 RC6-FU24 RC6-SU24 RC6A-UU24	90 1.27µm Au (Standard)	00300 0.3m 01000 1.0m 03000 3.0m 05000 5.0m 15000 15.0m	60 Grau (Standard) Grey (Standard) 10 Schwarz Black 20 Rot Red 25 Orange Orange 30 Blau Blue 50 Gelb Yellow 70 Weiß White
			Andere Spezifikationen und Kabelfarben auf Anfrage Other specifications and cable colours on request			

\* Dies ist ein **Bestellbeispiel** -  
bitte durch Ihre Spezifikationen ersetzen.  
\* This is an **order example** -  
please replace by your specifications.