

### Shielded copper connection cables

Ethernet shielded connection cables are available in two versions to meet the various current standards and approvals:

■ **EIA/TIA 568 shielded twisted pair cables for C€ market**

These cables conform to:

- EIA/TIA-568 standard, category CAT 5E
- IEC 11801/EN 50173-1 standard, class D

Their fire resistance conforms to:

- NF C32-070 standard, class C2
- IEC 322/1 standards
- Low Smoke Zero Halogen (LSZH)

■ **EIA/TIA 568 shielded twisted pair cables for UL market**

These cables are:

- CEC type FT-1
- NEC type CM

A range of fully shielded preassembled cables has been specially designed for use in harsh industrial environments. These cables combine a category 5E shielded cable and RJ45 connectors reinforced with a metal profile.



TCSEC●3M3M●●S4

#### EIA/TIA 568 shielded twisted pair cables for C€ market

Description	Connectors	Type	Length m/ft	Reference	Weight kg/lb
<b>Straight-through copper cables</b> C€ compatible	2 x RJ45 connectors For connection to terminal equipment (DTE)	Standard	2/6.56	<a href="#">490NTW00002</a>	—
			5/16.40	<a href="#">490NTW00005</a>	—
			12/39.37	<a href="#">490NTW00012</a>	—
			40/131	<a href="#">490NTW00040</a>	—
			80/262	<a href="#">490NTW00080</a>	—
		Rugged	1/3.28	<a href="#">TCSECE3M3M1S4</a>	—
			2/6.56	<a href="#">TCSECE3M3M2S4</a>	—
			3/9.84	<a href="#">TCSECE3M3M3S4</a>	—
			5/16.40	<a href="#">TCSECE3M3M5S4</a>	—
			10/32.81	<a href="#">TCSECE3M3M10S4</a>	—
<b>Crossover copper cables</b> C€ compatible	2 x RJ45 connectors For connection between hubs, switches, and transceivers	Standard	5/16.40	<a href="#">490NTC00005</a>	—
			15/49.21	<a href="#">490NTC00015</a>	—
			40/131	<a href="#">490NTC00040</a>	—

#### EIA/TIA 568 shielded twisted pair cables for UL market

Description	Connectors	Type	Length m/ft	Reference	Weight kg/lb
<b>Straight-through copper cables</b> UL compatible	2 x RJ45 connectors For connection to terminal equipment (DTE)	Standard	2/6.56	<a href="#">490NTW00002U</a>	—
			5/16.40	<a href="#">490NTW00005U</a>	—
			12/39.37	<a href="#">490NTW00012U</a>	—
		Rugged	1/3.28	<a href="#">TCSECU3M3M1S4</a>	—
			2/6.56	<a href="#">TCSECU3M3M2S4</a>	—
			3/9.84	<a href="#">TCSECU3M3M3S4</a>	—
			5/16.40	<a href="#">TCSECU3M3M5S4</a>	—
			10/32.81	<a href="#">TCSECU3M3M10S4</a>	—

#### Do it Yourself copper cable and connectors

The Do it Yourself offer consists of 4 references for connectors (M12 and RJ45) and 3 cable references (300 m/984 ft coil), enabling Ethernet 10/100 Mbps networks to be cabled in the field.

The maximum length of cables created in this way is 80 m/262 ft.

They are quick to assemble using a knife and simple wire cutters (no special tools are required).

Description	Characteristics	Length m/ft	Reference	Weight kg/lb
<b>Ethernet copper cable</b>	Conforms to the CE standards	300/984	<a href="#">TCSECE300R2</a>	—
4 shielded twisted pairs AWG 24	Conforms to the UL standards	300/984	<a href="#">TCSECU300R2</a>	—
<b>M12 connector</b>	Conforms to IEC 60176-2-101	—	<a href="#">TCSEK1MDRS</a>	—
<b>RJ45 connector</b>	Conforms to EIA/TIA-568-D	—	<a href="#">TCSEK3MDS</a>	—
<b>RJ45 rugged connectors</b>	Set of 2 connectors	—	<a href="#">TCSEK3MR2</a>	—
	Set of 10 connectors	—	<a href="#">TCSEK3MR10</a>	—