



Making the right industrial network connection



- 1

Protocol

Select the protocol you are using and follow the steps below as a guide to using our selection table.
- 2

Construction

How many pairs are required for your application?
- 3

Gauge

What is the conductor size and construction stranding you require?
- 4

Static, Dynamic or both?

Do you require the cable for static or continuously moving applications ie in C-Track?
- 5

UL approved

All Lütze ethernet cables carry UL approval either or in most cases both.
- 6

Straight or Angled, RJ45 or M12?

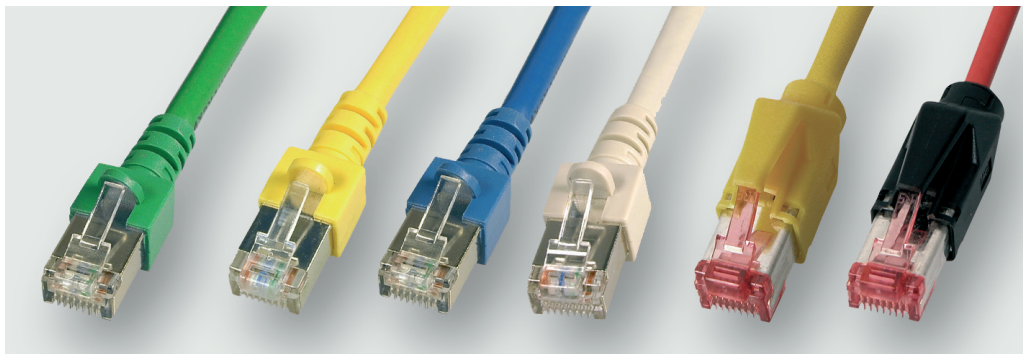
If connectors are required, select from right-angled, straight or M12-D or X coded

In today's industrial automation systems ethernet plays a major part. The networks rely on data being passed through the system at high rates to underpin the performance of the network.

The digital performance of a network is subject to the active devices within the networks such as switches and controllers - but it is the passive devices such as cable and connectors which can ultimately determine a networks performance.

1							  Standardization Group				 the automation bus			 			
2		PAIRS	2 PAIR			4 PAIR		2 PAIR			2 PAIR						
		CATEGORY				CAT6A		CAT5		CAT5E		CAT5			CAT5E	CAT6A	
			A	B	C												
3		AWG SIZE/STRANDING	AWG22/1	AWG22/7	AWG22/19	AWG22/1	AWG22/1	AWG22/7	AWG22/19	AWG26/19	AWG22/1	AWG22/7	AWG22/19				
4		C-TRACK	104303		104302			104303		104302	104379*		104303	104302	104337*	104347	
5		STATIC	104301	104307	104397		104301		104307		104301		104307	104336		104397	
6		RJ45 T568B Straight	490177	490177	490177	490128	490128		490128		490128		490128	490128	490128	490128	
		RJ45 T568B 90° Angled	490178	490178	490178	490151	490151		490151		490151		490151	490151	490151	490151	
		RJ45 T568A Straight	490129				490129		490129		490138	490129		490129	490129	450152	490129
		RJ45 T568A 90° Angled	490152				490152		490152		490153	490152		490152	490152	450152	490152
		M12 D CODED					490212		490212		490212	490212		490212			
		M12 X CODED	490167	490167	490167	490167									490167		490167
		M12 D CODED FEMALE	490213	490213	490213	490213	490213		490213		490213	490213		490213	490213	490213	
		M12 X CODED FEMALE	490168	490168	490168	490168	490168		490168		490168		490168	490168	490168	490168	

1		 POE suitable																
2		PAIRS	2 PAIR							4 PAIR								
3		CATEGORY	CAT5			CAT5E		CAT5E			CAT6		CAT6A		CAT7	CAT6/7	CAT 6	
4		AWG SIZE/STRANDING	AWG22/1	AWG22/7	AWG22/19	AWG26/19	AWG24/19	AWG24/7	AWG26/7	AWG26/19	Awg22/7	AWG26/19	AWG22/1	AWG26/7	AWG26/7	AWG24/7	AWG24/7	
5		CABLE	C-TRACK		104303	104302	104379*	104337*			104396*	104350	104347*			104401	104404	
			STATIC	104301	104307				104336	104335		490174		104397	104338	104331		
		CONNECTORS	RJ45 T568B Straight	490177	490177	490177		490128	490128			490151		490128		490128	490128	
			RJ45 T568B 90° Angled	490178	490178	490178		490151	490151				490151			490157	490157	
			RJ45 T568A Straight	490129	490129	490129	490138	490129	490129	490138	490138		490138	490129	490138	490138	490129	
			RJ45 T568A 90° Angled	490152	490152	490152	490153	490152	490152	490153	490153		490153	490152	490153	490153	490128	
			M12 D CODED MALE	490212	490212	490212	490074											
			M12 X CODED MALE	450167	450167	450167	450167	490167	490167	490167	490167		490167	450167	490167	490167		
			M12 X CODED FEMALE	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178	490178
			M12 D CODED FEMALE	490213	490213	490213	490213											

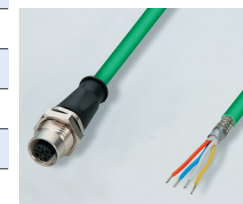


Description	Part No
PATCHCABLE 0.5M GREEN	192030.0050
PATCH CABLE 1.0M GREEN	192030.0100
PATCH CABLE 2.0M GREEN	192030.0200
PATCH CABLE 3.0M GREEN	192030.0300
PATCH CABLE 5.0M GREEN	192030.0500
PATCH CABLE 10.0M GREEN	192030.1000
PATCH CABLE 15.0M GREEN	192030.1500
PATCH CABLE 20.0M GREEN	192030.2000
PATCH CABLE 0.5M GREY	192000.0050
PATCH CABLE 1.0M GREY	192000.0100
PATCH CABLE 2.0M GREY	192000.0200
PATCH CABLE 3.0M GREY	192000.0300
PATCH CABLE 5.0M GREY	192000.0500
PATCH CABLE 10.0M GREY	192000.1000
PATCH CABLE 15.0M GREY	192000.1500
PATCH CABLE 20.0M GREY	192000.2000

Other colours and UL variants available on request

Description	Part No
M12 to RJ45 Superflex Profinet PUR cable 0.3M	192013.0030
M12 to RJ45 Superflex Profinet PUR cable 1.0M	192013.0100
M12 to RJ45 Superflex Profinet PUR cable 2.0M	192013.0200
M12 to RJ45 Profinet PVC cable 0.3M	192014.0030
M12 to RJ45 Profinet PVC cable 1.0M	192014.0100
M12 to RJ45 Profinet PVC cable 2.0M	192014.0200
RJ45 to RJ45 Superflex Profinet PUR cable 0.3M	192015.0030
RJ45 to RJ45 Superflex Profinet PUR cable 1.0M	192015.0100
RJ45 to RJ45 Superflex Profinet PUR cable 2.0M	192015.0200
RJ45 to RJ45 Profinet PVC cable 0.3M	192016.0030
RJ45 to RJ45 Profinet PVC cable 1.0M	192016.0100
RJ45 to RJ45 Profinet PVC cable 2.0M	192016.0200
RJ45 to RJ45 Superflex Ethernet PUR cable 0.3M	192017.0030
RJ45 to RJ45 Superflex Ethernet PUR cable 1.0M	192017.0100
RJ45 to RJ45 Superflex Ethernet PUR cable 2.0M	192017.0200
RJ45 to RJ45 Ethernet PVC cable 0.3M	192018.0030
RJ45 to RJ45 Ethernet PVC cable 1.0M	192018.0100
RJ45 to RJ45 Ethernet PVC cable 2.0M	192018.0200
M12 D Coded Male Profinet/ Ethernet connector PUR cable to open end, 2.0M	475300.0200
M12 D Coded Male Profinet/ Ethernet connector PUR cable to open end, 5.0M	475300.0500
M12 D Coded Female Profinet/ Ethernet Panel connector PUR cable to open end, 2.0M	475500.0200
M12 D Coded Female Profinet/ Ethernet Panel connector PUR cable to open end, 5.0M	475500.0500
M12 D Coded Male to Male Jumper cable Profinet/ Ethernet, PUR cable 0.3M	475400.0030
M12 D Coded Male to Male Jumper cable Profinet/ Ethernet, PUR cable 1.0M	475400.0100
M12 D Coded Male to Male Jumper cable Profinet/ Ethernet, PUR cable 2.0M	475400.0200
M12 D Coded Male to Male Jumper cable Profinet/ Ethernet, PUR cable 5.0M	475400.0500

Other lengths available on request





Description		Part No
Cat5e	22.5mm shielded RJ45 panel entry	492075
Cat6	22.5mm shielded RJ45 panel entry	492076



Description		Part No
Cat6 RJ45	8pol. Cat.6A	490209



Description		Part No
M12 female D-code 4-pole to RJ45		490105
M12 female D-code 4-pole to RJ45		490106

CAT6

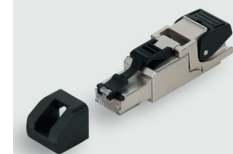
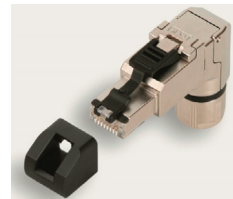
M12-RJ45 F/F 90° 8/8 Cat.6A	490230
M12-RJ45 F/F 180° 8/8 Cat.6A	490231
STWK4-M12 (C)-D FK	490214
KUWK4-M12 (C)-D FK	490215



Description		Part No
Ethernet PVC Cat5e	(4x2x26awg/7StC)	104335
Ethernet PVC Cat5e	(4x2x24awg/7StC)	104336
Ethernet PVC Cat6a	(4x(2x26awg/7)StC)	104338
Ethernet PUR Cat6 "Superflex"	(4X2X24AWG/7)	104404
Ethernet PUR Cat5e "Superflex"	(4x2x26awg/19StC)	104396
Ethernet PUR Cat5e "Superflex"	(4x2x24awg/19StC)	104337
Ethernet PUR Cat6a "Superflex"	(4x2x26awg/19StC)	104347
Ethernet PUR Cat5e "Superflex"	(2x2x22awg/7)StC	104302
Profinet Type A	(2x2x22awg/1)StC	104301
Profinet Type B	(2x2x22awg/7)StC	104307
Profinet Type B	(4X2XAWG22/7)	104350
Profinet Type C "Superflex"	(2x2x22awg/7)StC	104303



Description		Part No
Shielded M12 5-pole male straight connector	B-code, Suitable for Profibus/InterBus	490210
Shielded M12 5-pole female straight connector	B-code, suitable for Profibus/InterBus	490211
Shielded M12 4-pole male straight connector	D-code, suitable for 2-pair Ethernet/Profinet	490212
Shielded M12 4-pole female straight connector	D-code, suitable for 2-pair Ethernet/Profinet	490213
M12 X Coded Male	Suitable 4-pair Gigabit Ethernet/ Profinet	490167
M12 X Coded Female	Suitable 4-pair Gigabit Ethernet/ Profinet	490218



Description		Part No
Cat6A RJ45 T568B Straight IDC Rewireable	Suitable for AWG 24/1, 22/1, 27/7, 22/7	490128
Cat6A RJ45 T568B 90deg IDC Rewireable	Suitable for AWG 24/1, 22/1, 27/7, 22/7	490151
Cat6A RJ45 T568B Straight IDC Rewireable	Suitable for AWG 26/1, 26/7, 26/19	490138
Cat6A RJ45 T568B 90deg IDC Rewireable	Suitable for AWG 26/1, 26/7, 26/19	490153
Profinet RJ45 4 Pole Straight IDC Rewireable	Suitable for AWG 24/1-22/1, AWG 27/7-22/7, AWG 24/19-22/19	490177
Profinet RJ45 4 Pole 90 deg IDC Rewireable	Suitable for AWG 24/1-22/1, AWG 27/7-22/7, AWG 24/19-22/19	490178