

Nomenclature of patched connectors

Industrial Ethernet

Double-ended cordset

IE- S W WAS S C X 8.066- L - IE- S W WAS S X 8.066 / S3500

Cable quality
Contacts.allocation code
X: X-coded | Y: D-coded | P: P-coded
Shielded
WAS: M12 male | RJ45S: male | SP: M8 male
W: angled | without: straight
M8 Screw-type
Industrial Ethernet
Cable length [m]
Contacts.allocation code
X: X-coded | Y: D-coded | P: P-coded
Field-wireable
Shielded
WAS: M12 male | WAK: M12 female | RJ45S: male | RJ45SL: light | SP: M8 male | SK: M8 female
Without: straight | W: angled | for RJ45: W0=0°, W3=90°, W6=180°, W9=270°
M8 Screw-type

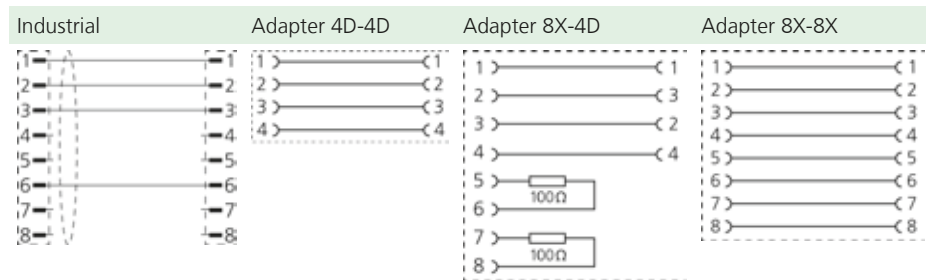
Industrial Ethernet

4D | 8X

ETHERNET POWERLINK EtherNet/IP EtherCAT Sercos the automation bus

UL US RoHS 50 EAC CE

Cable	Material	UL	Color	Transmission features	Feature	drag chain-adapted	torsion resistant
S3500	PUR/PE	✓	GN	Cat7			
S3800	PUR/FRNC	✓	RD	Cat5e	Sercos	✓	
S2171	PUR/FRNC	✓	GN	Cat5e	PROFINET AWG22/7 Typ C	✓	
S3400	PUR/PP	✓	GN	Cat5		✓	
S4030	PUR/Foam-Skin Polyolefin	✓	GN	Cat7	PROFINET 4x2xAWG24/7 Typ C		✓
S4031	PUR/FRNC	✓	GN	Cat6	PROFINET 4x2xAWG26/19 Typ C	✓	
S5058	PUR/Foam-Skin Polyolefin	✓	BK, with red vertical stripe	Cat5e	EtherCAT P AWG22/7	✓	
S5059	PUR/Foam-Skin Polyolefin	✓	BK, with red vertical stripe	Cat5e	EtherCAT P AWG24/7	✓	
S5100	PUR/PE	✓	GN	Cat5e	PROFINET robotic AWG22/19 Typ R	✓	✓














Industrial Ethernet











Technical data	M12	M8	RJ45	Receptacle
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5 m\Omega$	$\leq 5 m\Omega$	$\leq 5 m\Omega$	$\leq 5 m\Omega$
Ambient temperature product	-30°C...+90°C	-30°C...+90°C	-40°C...+70°C	-30°C...+90°C (* +70°C)
Contact material	Metal, gold-plated	Metal, gold-plated	Metal, gold-plated	Metal, gold-plated
Contact-carrier material	Plastic, TPU	Plastic, PA	Plastic	Plastic
Grip body material	Plastic, TPU	Plastic, TPU	Plastic, TPE	Plastic, TPU
Coupling nut material	Metal, nickel-plated	Metal, nickel-plated		
Sealing (female) material				FPM/FKM
Material of external sealing				NBR
Receptacle housing material				Metal, CuZn, nickel-plated
Standards	IEC 61076-2-101/-109	IEC 61076-2-104	IEC 60603-7-5	IEC 61076-2-101/-109
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68	IP20	IP65, IP67, IP68
Mechanical life-cycle	>100 mating cycles	>100 mating cycles	>750 mating cycles	>100 mating cycles
Degree of pollution	2	3/2	1	3/2

With our Industrial-Ethernet-components we provide a comprehensive system wiring for various Ethernet applications. Due to a broad range of overmolded and field-wireable connectors, receptacles as well as cable-qualities it is possible to build up a reliable and future-proof system. As usual with ESCHA, the products were designed according to HF-aspects through which the specified data-transmission-properties can be 100 percent guaranteed.

		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Single-ended cordset female, straight, M12 shielded Cat5e	4, D	250V	4A	PUR	GN	◦	IE-WAKSY4.029-L/S5100	8088951	8088952	8089476	
				4A	PUR	GN	•	IE-WAKSY4.029-L/S2171	8075040	8079563	8080567	
	Single-ended cordset female, angled, M12 shielded Cat5e	4, D	250V	4A	PUR	GN	◦	IE-WWAKSY4.029-L/S5100	8088954	8089276	8089277	
				4A	PUR	GN	•	IE-WWAKSY4.029-L/S2171	8075044	8079564	8081799	
	Single-ended cordset male, straight, M12 shielded Cat5e	4, D	250V	4A	PUR	GN	◦	IE-WASSY4.029-L/S5100	8088138	8088139	8088140	
				4A	PUR	GN	•	IE-WASSY4.029-L/S2171	8031449	8031450	8031451	
				4A	PUR	GN	•	IE-WASSY4.082-L/S3400	8056566	8056567	8056568	
	Single-ended cordset male, angled, M12 shielded Cat5e	4, D	250V	4A	PUR	GN	◦	IE-WWASSY4.029-L/S5100	8088141	8088142	8088143	
				4A	PUR	GN	•	IE-WWASSY4.029-L/S2171	8044087	8041940	8044088	
				4A	PUR	GN	•	IE-WWASSY4.082-L/S3400	8056569	8056570	8056571	
	Field-wireable connector male, straight, M12 shielded Cat5e Insulation displacement contact	4, D	250V	4A				IE-WASCSY4S	8065954			
	Single-ended cordset male, straight, RJ45 shielded Cat5e	4	50V	1A	PUR	GN	•	IE-RJ45SS4.003-L/S2171	8062329	8062330	8062331	
				1A	PUR	GN	•	IE-RJ45SS4.003-L/S5100	8088144	8088145	8088146	
				1A	PUR	GN	•	IE-RJ45SS8.005-L/S3400	8056581	8056582	8056583	
	Single-ended cordset male, angled, RJ45, 0° shielded Cat5e	4	50V	1A	PUR	GN		IE-WORJ45SS8.005-L/S3400	8080677	8080356	8080678	
	Single-ended cordset male, angled, RJ45, 90° shielded Cat5e	4	50V	1A	PUR	GN		IE-W3RJ45SS8.005-L/S3400	8080679	8079038	8080680	
	Single-ended cordset male, angled, RJ45, 180° shielded Cat5e	4	50V	1A	PUR	GN		IE-W6RJ45SS8.005-L/S3400	8080681	8080682	8080683	










* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m. Other cable- and wire lengths are available upon request.

• UL approved | ◦ UL in preparation

		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Single-ended cordset male, angled, RJ45, 270° shielded Cat5e	4	50V	1A		PUR	GN		IE-W9RJ45SS8.005-L/S3400	8080684	8080802	8080994
	Field-wireable connector male, straight, RJ45 Cat6A Insulation displacement contact	8	50V	1A					IE-RJ45SCS8	8065955		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat5e Cable Front wall-mounting	4, D	250V	4A		PUR	GN		IE-FKSY4.029-L/16/S2171/S3941	8063614	8063615	8063616
				4A		PUR	GN		IE-FKSY4.029-L/16/S5100/S3941	8088984	8088985	8089428
	Receptacle female, straight, M12 Cat5e Print contact Back wall-mounting	4, D	250V	4A	1,0...2,5			•	IE-FHM12KUD4-P/M12/S3525	8074847		
				4A	2,5...4,0			•	IE-FHM12KUD4-P/M12/S3540	8074846		
				4A	4,0...5,0			•	IE-FHM12KUD4-P/M12/S3550	8072578		
	Receptacle female, angled, M12 shielded Print contact Back wall-mounting	4, D	250V	4A	1,0...2,5			•	IE-WFKFSY4-P/12/S3525	8050282		
				4A	2,5...4,0			•	IE-WFKFSY4-P/12/S3540	8050284		
				4A	4,0...5,0			•	IE-WFKFSY4-P/12/S3550	8050285		
	Receptacle female, straight, M12 Wire contact Back wall-mounting	4, D	250V	4A				•	IE-FHM12KUD4.029-0,5/M16	8072504		
	Receptacle male, straight, M12 Wire contact Back wall-mounting	4, D	250V	4A				•	IE-FHM12SUD4.029-0,5/M16	8072520		
	Receptacle female, straight, M12 Wire contact Front wall-mounting	4, D	250V	4A				•	IE-FVM12KUD4.029-0,5/M16	8072505		
	Receptacle female, straight, M12 Wire contact Front wall-mounting, positionable	4, D	250V	4A				•	IE-FVM12KUD4.029-0,5/M16/S520	8077905		
	Receptacle male, straight, M12 Wire contact Front wall-mounting	4, D	250V	4A				•	IE-FVM12SUD4.029-0,5/M16	8072521		

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		Body				Cable			UL	Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	2m / 1m			5m / 2m	10m / 5m	
	Receptacle male, straight, M12 Wire contact Front wall-mounting, positionable	4, D	250V	4A					•	IE-FVM12SUD4.029-0,5/M16/S520	8077968		
	Receptacle female, straight, M12 Cat5e Print contact Back wall-mounting	4, D	250V	4A	1,0...5,0				•	IE-FHM12KUD4-P/M16	8072576		
	Receptacle male, straight, M12 Cat5e Print contact Back wall-mounting	4, D	250V	4A	1,0...5,0				•	IE-FHM12SUD4-P/M16	8072586		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat5e Cable Back wall-mounting	4, D	250V	4A		PUR	GN			IE-FKFDSY4.029-L/16/S2171	8063608	8063609	8063610
				4A		PUR	GN			IE-FKFDSY4.029-L/16/S5100	8088147	8088148	8088149
				4A		PUR	GN			IE-FKFDSY4.082-L/16/S3400	8064034	8064035	8064036
	Receptacle Single-ended cordset female, angled, M12 shielded Cat5e Cable Back wall-mounting	4, D	250V	4A		PUR	GN			IE-WFKFDSY4.029-L/16/S2171	8063611	8063612	8063613
				4A		PUR	GN			IE-WFKFDSY4.029-L/16/S5100	8088150	8088151	8088152
	Single-ended cordset male, straight, M8 shielded Cat5e	4	60V	4A		PUR	GN		•	IE-SSPS4.027-L/S3400	8055529	8055530	8055531
	Single-ended cordset male, angled, M8 shielded Cat5e	4	60V	4A		PUR	GN		•	IE-SWSPS4.027-L/S3400	8055789	8055790	8055791
	Double-ended cordset female, straight, M12 shielded Cat5e	4, D	250V	4A		PUR	GN		◦	IE-WAKSY4.029-L-IE-WASSY4.029/S5100	8088168	8088169	8088170
		4, D		4A		PUR	GN		•	IE-WAKSY4.029-L-IE-WASSY4.029/S2171	8080564	8080565	8080566
	Double-ended cordset female, straight, M12 shielded Cat5e	4, D	250V	4A		PUR	GN		◦	IE-WAKSY4.029-L-IE-WWASSY4.029/S5100	8088171	8088172	8088173
		4, D		4A		PUR	GN		•	IE-WAKSY4.029-L-IE-WWASSY4.029/S2171	8081796	8075047	8081791







* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m. Other cable- and wire lengths are available upon request.

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		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset female, angled, M12 male, straight, M12 shielded Cat5e	4, D 4, D	250V	4A		PUR	GN	◦	IE-WWAKSY4.029-L-IE-WASSY4.029/S5100	8088174	8088175	8088176
	Double-ended cordset female, angled, M12 male, angled, M12 shielded Cat5e	4, D 4, D	250V	4A		PUR	GN	◦	IE-WWAKSY4.029-L-IE-WWASSY4.029/S5100	8088177	8088178	8088179
	Double-ended cordset male, straight, M12 male, straight, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	GN	◦	IE-WASSY4.029-L-IE-WASSY4.029/S5100	8088153	8088154	8088155
				4A		PUR	GN	•	IE-WASSY4.029-L-IE-WASSY4.029/S2171	8031558	8031560	8031561
				4A		PUR	GN	•	IE-WASSY4.082-L-IE-WASSY4.082/S3400	8056557	8056558	8056559
	Double-ended cordset male, straight, M12 male, straight, RJ45 shielded Cat5e	4, D 4	50V	1A		PUR	GN	◦	IE-WASSY4.029-L-IE-RJ45SS4.003/S5100	8088162	8088163	8088164
				1A		PUR	GN	•	IE-WASSY4.029-L-IE-RJ45SS4.003/S2171	8061081	8061082	8061083
				1A		PUR	GN	•	IE-WASSY4.082-L-IE-RJ45SS8.005/S3400	8056572	8056573	8056574
	Double-ended cordset male, straight, M12 male, straight, M8 shielded Cat5e	4, D 4	60V	4A		PUR	GN		IE-WASSY4.082-L-IE-SSPS4.027/S3400	8055552	8055553	8055554
	female, straight, M12 male, straight, RJ45 Cat5e	4, D	50V	1A		PUR	GN	◦	IE-FKFDSY4.029-L-IE-RJ45SS4.003/S2171	8064023	8064024	8064025
				1A		PUR	GN	•	IE-FKFDSY4.029-L-IE-RJ45SS4.003/S5100	8089267	8088945	8088946
				1A		PUR	GN	•	IE-FKFDSY4.082-L-IE-RJ45SS8.005/S3400	8060876	8063625	8063626
	Receptacle Double-ended cordset female, angled, M12 male, straight, RJ45 shielded Cat5e	4, D	50V	1A		PUR	GN	•	IE-WFKFDSY4.082-L-IE-RJ45SS8.005/S3400	8069853	8069854	8069855
	Double-ended cordset male, angled, M12 male, straight, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	GN	◦	IE-WWASSY4.029-L-IE-WASSY4.029/S5100	8088156	8088157	8088158
				4A		PUR	GN	•	IE-WWASSY4.029-L-IE-WASSY4.029/S2171	8046398	8044089	8044090
				4A		PUR	GN	•	IE-WWASSY4.082-L-IE-WASSY4.082/S3400	8056563	8056564	8056565









* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m. Other cable- and wire lengths are available upon request.

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		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	l[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset male, angled, M12 male, straight, RJ45 shielded Cat5e	4, D 4	50V	1A		PUR	GN	◦	IE-WWASSY4.029-L-IE-RJ45SS4.003/S5100	8088165	8088166	8088167
				1A		PUR	GN	•	IE-WWASSY4.029-L-IE-RJ45SS4.003/S2171	8062317	8062318	8062319
				1A		PUR	GN	•	IE-WWASSY4.082-L-IE-RJ45SS8.005/S3400	8056575	8056576	8056577
	Double-ended cordset male, angled, M12 male, angled, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	GN	◦	IE-WWASSY4.029-L-IE-WWASSY4.029/S5100	8088159	8088160	8088161
				4A		PUR	GN	•	IE-WWASSY4.029-L-IE-WWASSY4.029/S2171	8046893	8036902	8036903
				4A		PUR	GN	•	IE-WWASSY4.082-L-IE-WWASSY4.082/S3400	8056560	8056561	8056562
	Double-ended cordset male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	GN	◦	IE-RJ45SS4.003-L-IE-RJ45SS4.003/S5100	8088974	8089268	8088975
				1A		PUR	GN	•	IE-RJ45SS4.003-L-IE-RJ45SS4.003/S2171	8062323	8062324	8065056
				1A		PUR	GN	•	IE-RJ45SS8.005-L-IE-RJ45SS8.005/S3400	8056578	8056579	8056580
	Double-ended cordset male, angled, RJ45, 0° male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	GN		IE-W0RJ45SS8.005-L-IE-RJ45SS8.005/S3400	8080803	8080804	8080752
	Double-ended cordset male, angled, RJ45, 90° male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	GN		IE-W3RJ45SS8.005-L-IE-RJ45SS8.005/S3400	8080805	8080806	8080753
	Double-ended cordset male, angled, RJ45, 180° male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	GN		IE-W6RJ45SS8.005-L-IE-RJ45SS8.005/S3400	8080807	8080995	8080754










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• UL approved | ◦ UL in preparation









		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset male, angled, RJ45, 270° male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	GN		IE-W9RJ45SS8.005-L-IE-RJ45SS8.005/S3400	8080808	8080997	8080755
	Double-ended cordset male, straight, RJ45 light male, straight, RJ45 light shielded Cat5e Industrial	4 4	50V	1A		PUR	GN		IE-RJ45SLS8.005-L-IE-RJ45SLS8.005/S3400	8069789	8071964	8075806
	Double-ended cordset female, straight, M8 male, straight, M8 shielded Cat5e	4 4	60V	4A		PUR	GN	•	IE-SKPS4.027-L-IE-SSPS4.027/S3400	8055535	8055537	8055538
	Double-ended cordset male, straight, M8 male, straight, M8 shielded Cat5e	4 4	60V	4A		PUR	GN		IE-SSPS4.027-L-IE-SSPS4.027/S3400	8055532	8055533	8055534
	Double-ended cordset male, straight, M8 male, straight, RJ45 shielded Cat5e	4 4	50V	1A		PUR	GN		IE-SSPS4.027-L-IE-RJ45SS8.005/S3400	8055536	8055539	8055540
	Double-ended cordset male, angled, M8 male, straight, M8 shielded Cat5e	4 4	60V	4A		PUR	GN		IE-SWSPS4.027-L-IE-SSPS4.027/S3400	8055795	8055796	8055797
	Double-ended cordset male, angled, M8 male, angled, M8 shielded Cat5e	4 4	60V	4A		PUR	GN		IE-SWSPS4.027-L-IE-SWSPS4.027/S3400	8055801	8055802	8055804
	Single-ended cordset male, straight, M12 shielded Cat5e	4, D	250V	4A		PUR	RD	•	IE-WASSY4.029-L/S3800	8055493	8055494	8055495

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m. Other cable- and wire lengths are available upon request.

• UL approved | ◦ UL in preparation

		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Single-ended cordset male, angled, M12 shielded Cat5e	4, D	250V	4A		PUR	RD	•	IE-WWASSY4.029-L/S3800	8055499	8055500	8055501
	Field-wireable connector male, straight, M12 shielded Cat5e Insulation displacement contact	4, D	250V	4A					IE-WASCSY4S	8065954		
	Single-ended cordset male, straight, RJ45 shielded Cat5e	4	50V	1A		PUR	RD	•	IE-RJ45SS4.003-L/S3800	8062332	8062333	8062334
	Field-wireable connector male, straight, RJ45 Cat6A Insulation displacement contact	8	50V	1A					IE-RJ45SCS8	8065955		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat5e Cable Front wall-mounting	4, D	250V	4A		PUR	RD		IE-FKSY4.029-L/16/S3800/S3801	8063605	8063606	8063607
	Receptacle female, straight, M12 Cat5e Print contact Back wall-mounting	4, D	250V	4A				•	IE-FKFDY4-P/16/S38	8055849		
	Receptacle female, angled, M12 shielded Cat5e Print contact Back wall-mounting	4, D	250V	4A	1,0...2,5				IE-WFKFSY4-P/12/S3825	8055850		
				4A	2,5...4,0				IE-WFKFSY4-P/12/S3840	8055851		
				4A	4,0...5,0				IE-WFKFSY4-P/12/S3850	8055852		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat5e Cable Back wall-mounting	4, D	250V	4A		PUR	RD		IE-FKFDSY4.029-L/16/S3800/S38	8063599	8063600	8063601
	Receptacle Single-ended cordset female, angled, M12 shielded Cat5e Cable Back wall-mounting	4, D	250V	4A		PUR	RD		IE-WFKFDSY4.029-L/16/S3800/S38	8063602	8063603	8063604










* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset male, straight, M12 male, straight, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	RD	•	IE-WASSY4.029-L-IE-WASSY4.029/S3800	8055496	8055497	8055498
	Double-ended cordset male, straight, M12 male, straight, RJ45 shielded Cat5e	4, D 4	50V	1A		PUR	RD	•	IE-WASSY4.029-L-IE-RJ45SS4.003/S3800	8061084	8061085	8061086
	Receptacle Double-ended cordset female, straight, M12 male, straight, RJ45 shielded Cat5e	4, D	50V	1A		PUR	RD	•	IE-FKFDSY4.029-L-IE-RJ45SS4.003/S3800	8064026	8064027	8064028
	Double-ended cordset male, angled, M12 male, straight, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	RD	•	IE-WWASSY4.029-L-IE-WASSY4.029/S3800	8055502	8055503	8055504
	Double-ended cordset male, angled, M12 male, straight, RJ45 shielded Cat5e	4, D 4	50V	1A		PUR	RD	•	IE-WWASSY4.029-L-IE-RJ45SS4.003/S3800	8062320	8062321	8062322
	Double-ended cordset male, angled, M12 male, angled, M12 shielded Cat5e	4, D 4, D	60V	4A		PUR	RD	•	IE-WWASSY4.029-L-IE-WWASSY4.029/S3800	8055505	8055506	8055507
	Double-ended cordset male, straight, RJ45 male, straight, RJ45 shielded Cat5e Industrial	4 4	50V	1A		PUR	RD	•	IE-RJ45SS4.003-L-IE-RJ45SS4.003/S3800	8062326	8062327	8062328
	Adapter female, straight, M12 female, straight, M12 shielded Cat5e	4, D 4, D	250V	4A					IE-WAKSY4-IE-WAKSY4	8065952		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable			L = cable length*			
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description			
									2m / 1m	5m / 2m	10m / 5m	
	Adapter female, straight, M12 shielded Cat5e	8, X 4, D	50V _{AC} 60V _{DC}	0.5A					IE-WAKSX8-IE-WAKSY4			8065950
	Panel feed through female, straight, M12 shielded Cat5e	4, D 8	50V _{AC/DC}	0.2A					IE-FKFDSY4-RJ45KS			8069793
Back wall-mounting												
	Panel feed through female, angled, M12 shielded Cat5e	4, D 8	50V _{AC/DC}	0.2A					IE-WKFDSY4-RJ45KS			8069794
Back wall-mounting												
	Single-ended cordset male, straight, M12 shielded Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WASSX8.066-L/S3500			8049457 8049458 8049459
	Single-ended cordset male, straight, M12 shielded Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WASSX8.066-L/S4030			8063566 8063567 8063568
				0.5A		PUR	GN	•	IE-WASSX8.066-L/S4031			8063578 8063579 8063580
	Single-ended cordset male, angled, M12 shielded Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WWASSX8.066-L/S3500			8055441 8055442 8055443
	Single-ended cordset male, straight, RJ45 shielded Cat6A	8	50V	1A		PUR	GN	•	IE-RJ45SS8.002-L/S3500			8052214 8052215 8052216
	Field-wireable connector male, straight, RJ45 Cat6A Insulation displacement contact	8	50V	1A					IE-RJ45SCS8			8065955
	Receptacle female, straight, M12 shielded Cat6A Print contact Front wall-mounting	8, X	50V _{AC} 60V _{DC}	0.5A	0,9...2,5			•	IE-FKDSX8-P/12			8050232











* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable			L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description		
									2m / 1m	5m / 2m	10m / 5m
	Receptacle female, straight, M12 shielded Cat6A Print contact Back wall-mounting	8, X	50V _{AC} 60V _{DC}	0.5A				•	IE-FHM12K5X8P/PG9 8079981		
	Receptacle female, angled, M12 shielded Cat6A Print contact Back wall-mounting	8, X	50V _{AC} 60V _{DC}	0.5A	1,0...2,5			•	IE-WFKFSX8-P/12/S3525 8059345		
				0.5A	2,5...4,0			•	IE-WFKFSX8-P/12/S3540 8059346		
				0.5A	4,0...5,0			•	IE-WFKFSX8-P/12/S3550 8059347		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat6A Cable Back wall-mounting	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN		IE-FKFDSX8.066-L/S3500 8061148 8061149 8061150		
	Receptacle Single-ended cordset female, straight, M12 shielded Cat6A Cable Back wall-mounting	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN		IE-FKFDSX8.066-L/S4030 8063572 8063573 8063574		
				0.5A		PUR	GN		IE-FKFDSX8.066-L/S4031 8063584 8063585 8063586		
	Double-ended cordset male, straight, M12 shielded Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WASSX8.066-L-IE-WASSX8.066/S3500 8048865 8049460 8049461		
		8, X							IE-WASSX8.066-L-IE-WASSX8.066/S4030 8063563 8063564 8063565		
	Double-ended cordset male, straight, M12 shielded Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WASSX8.066-L-IE-WASSX8.066/S4030 8063563 8063564 8063565		
		8, X		0.5A		PUR	GN	•	IE-WASSX8.066-L-IE-WASSX8.066/S4031 8063575 8063576 8063577		
	Double-ended cordset male, straight, M12 shielded Cat6A	8, X	50V	0.5A		PUR	GN	•	IE-WASSX8.066-L-IE-RJ45SS8.002/S3500 8053444 8053288 8053289		
		8							IE-WASSX8.066-L-IE-RJ45SS8.002/S3500 8053444 8053288 8053289		
	Receptacle Double-ended cordset female, straight, M12 male, straight, M12 Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-FKFDSX8.066-L-IE-WASSX8.066/S3500 8061289 8061290 8061291		
		8, X							IE-FKFDSX8.066-L-IE-WASSX8.066/S3500 8061289 8061290 8061291		
	Receptacle Double-ended cordset female, straight, M12 male, straight, M12 Cat6A	8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-FKFDSX8.066-L-IE-WASSX8.066/S4030 8063569 8063570 8063571		
		8, X		0.5A		PUR	GN	•	IE-FKFDSX8.066-L-IE-WASSX8.066/S4031 8063581 8063582 8063583		










* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Receptacle Double-ended cordset female, straight, M12 male, straight, RJ45 shielded Cat6A	8, X 8	50V	0.5A		PUR	GN	•	IE-FKFDXSX8.066-L-IE-RJ45SS8.002/S3500	8061295	8061296	8061297
	Double-ended cordset male, angled, M12 male, straight, M12 shielded Cat6A	8, X 8, X	50V _{AC} 60V _{DC}	0.5A		PUR	GN	•	IE-WWASSX8.066-L-IE-WASSX8.066/S3500	8055444	8055445	8055446
	Double-ended cordset male, angled, M12 male, straight, RJ45 shielded Cat6A	8, X 8	50V	0.5A		PUR	GN	•	IE-WWASSX8.066-L-IE-RJ45SS8.002/S3500	8055447	8055448	8055449
	Double-ended cordset male, straight, RJ45 male, straight, RJ45 shielded Cat6A T568B	8 8	50V	1A		PUR	GN	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S3500	8052205	8048829	8048830
	Adapter female, straight, M12 female, straight, M12 shielded Cat6A	8, X 8, X	50V _{AC} 60V _{DC}	0.5A					IE-WAKSX8-IE-WAKSX8	8065951		
	Panel feed through female, angled, M12 female, straight, RJ45 shielded Cat6A	8, X 8	50V _{AC} 60V _{DC}	0.5A					IE-WFKFDXSX8-RJ45KS	8055774		
	Back wall-mounting											
	Panel feed through female, straight, M12 female, straight, RJ45 shielded Cat6A	8, X 8	50V _{AC} 60V _{DC}	0.5A					IE-FKFDXSX8-RJ45KS	8055773		
	Back wall-mounting											
	Wiring connector Cat7 Insulation displacement contact	8	60V _{DC}	0.5A					IE-LVCS8	8055776		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable			Item description	L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL		2m / 1m	5m / 2m	10m / 5m
	Wall bracket for Industrial Ethernet adapter								Befestigungswinkel IE-Adapter	8065953		
	Adapter female, straight, RJ45	8	50V _{AC/DC}	1A					IE-RJ45KS-RJ45KS	8076629		
	Field-wireable connector female, straight, M12 shielded Cat6A Insulation displacement contact	8, X	50V _{AC} 60V _{DC}	0.5A					IE-WAKCSX8S	8086078		
	Field-wireable connector male, straight, M12 shielded Cat6A Insulation displacement contact	8, X	50V _{AC} 60V _{DC}	0.5A					IE-WASCSX8S	8050231		
	Single-ended cordset female, straight, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A	PUR	GN		IE-SKPSD4.071-L/S3400	8089116	8089132	8089136	
				4A	PUR	GN		IE-SKPSD4.073-L/S2171	8089171	8089172	8089173	
	Single-ended cordset female, angled, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A	PUR	GN		IE-SWKPSD4.071-L/S3400	8089137	8089138	8089139	
				4A	PUR	GN		IE-SWKPSD4.073-L/S2171	8089175	8089176	8089177	
	Single-ended cordset male, straight, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A	PUR	GN		IE-SSPSD4.071-L/S3400	8089140	8089141	8089142	
				4A	PUR	GN		IE-SSPSD4.073-L/S2171	8089178	8089179	8089180	
	Single-ended cordset male, angled, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A	PUR	GN		IE-SWSPSD4.071-L/S3400	8089143	8089144	8089145	
				4A	PUR	GN		IE-SWSPSD4.073-L/S2171	8089181	8089182	8089183	
	Single-ended cordset female, straight, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A	PUR	BK		IE-SKPSP4.054-L/S5058	8089159	8089160	8089161	
				4A	PUR	BK		IE-SKPSP4.054-L/S5059	8089147	8089148	8089149	
	Single-ended cordset female, angled, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A	PUR	BK		IE-SWKPSP4.054-L/S5058	8089162	8089163	8089164	
				4A	PUR	BK		IE-SWKPSP4.054-L/S5059	8089150	8089151	8089152	

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

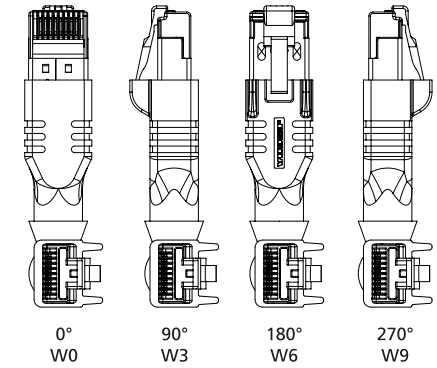
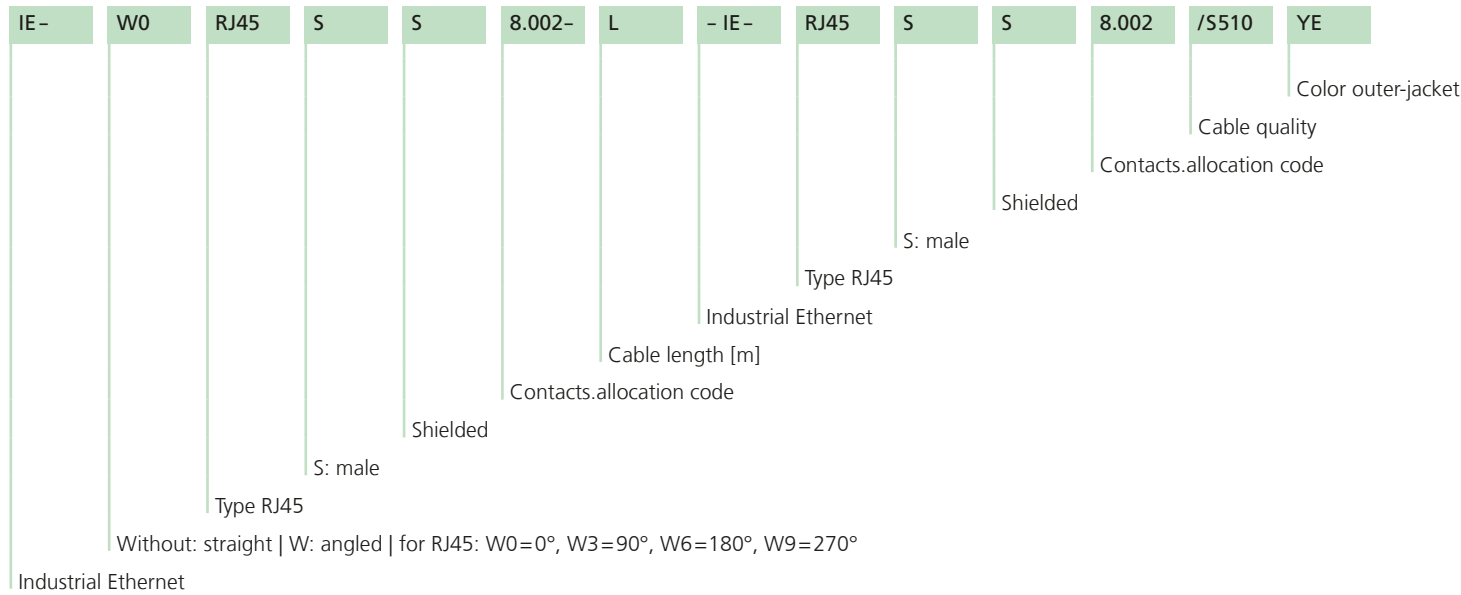
		Body				Cable			L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description		
									2m / 1m	5m / 2m	10m / 5m
	Single-ended cordset male, straight, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SSPSP4.054-L/S5058		
				4A		PUR	BK		IE-SSPSP4.054-L/S5059		
	Single-ended cordset male, angled, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SWSPSP4.054-L/S5058		
				4A		PUR	BK		IE-SWSPSP4.054-L/S5059		
	Double-ended cordset female, straight, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A		PUR	GN		IE-SKPSD4.071-L-IE-SSPSD4.071/S3400		
				4A		PUR	GN		IE-SKPSD4.073-L-IE-SSPSD4.073/S2171		
	Double-ended cordset female, angled, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A		PUR	GN		IE-SWKPSD4.071-L-IE-SWSPSD4.071/S3400		
				4A		PUR	GN		IE-SWKPSD4.073-L-IE-SWSPSD4.073/S2171		
	Double-ended cordset male, straight, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A		PUR	GN		IE-SSPSD4.071-L-IE-SSPSD4.071/S3400		
				4A		PUR	GN		IE-SSPSD4.073-L-IE-SSPSD4.073/S2171		
	Double-ended cordset male, angled, M8 shielded Cat5e	4, D	50V _{AC} 60V _{DC}	4A		PUR	GN		IE-SWSPSD4.071-L-IE-SWSPSD4.071/S3400		
				4A		PUR	GN		IE-SWSPSD4.073-L-IE-SWSPSD4.073/S2171		
	Double-ended cordset female, straight, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SKPSD4.054-L-IE-SSPSP4.054/S5058		
				4A		PUR	BK		IE-SKPSD4.054-L-IE-SSPSP4.054/S5059		
	Double-ended cordset female, angled, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SWKPSD4.054-L-IE-SWSPSP4.054/S5058		
				4A		PUR	BK		IE-SWKPSD4.054-L-IE-SWSPSP4.054/S5059		
	Double-ended cordset male, straight, M8 shielded Cat5e	4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SSPSP4.054-L-IE-SSPSP4.054/S5058		
				4A		PUR	BK		IE-SSPSP4.054-L-IE-SSPSP4.054/S5059		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable			L = cable length*			
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset	4, P 4, P	50V _{AC} 60V _{DC}	4A		PUR	BK		IE-SWSPSP4.054-L-IE-SWSPSP4.054/S5058	8089196	8089197	8089198
	male, angled, M8 male, angled, M8 shielded Cat5e			4A		PUR			BK	IE-SWSPSP4.054-L-IE-SWSPSP4.054/S5059	8089209	8089210
	Receptacle female, straight, M8 shielded Cat5e, print contact Back wall-mounting	4, D	50V _{AC} 60V _{DC}	4A					IE-FHM8KSD4-P/M10	8089337		
	Receptacle male, straight, M8 shielded Cat5e, print contact Back wall-mounting	4, D	50V _{AC} 60V _{DC}	4A					IE-FHM8SSD4-P/M8	8089338		
	Receptacle female, angled, M8 shielded Cat5e, print contact Back wall-mounting	4, D	50V _{AC} 60V _{DC}	4A					IE-WFHM8KSD4-P/M10	8089339		
	Receptacle male, angled, M8 shielded Cat5e, print contact Back wall-mounting	4, D	50V _{AC} 60V _{DC}	4A					IE-WFHM8SSD4-P/M8	8089340		
	Receptacle female, straight, M8 shielded Cat5e, print contact Back wall-mounting	4, P	50V _{AC} 60V _{DC}	4A					IE-FHM8KSP4-P/M10	8089341		
	Receptacle male, straight, M8 shielded Cat5e, print contact Back wall-mounting	4, P	50V _{AC} 60V _{DC}	4A					IE-FHM8SSP4-P/M8	8089342		
	Receptacle female, angled, M8 shielded Cat5e, print contact Back wall-mounting	4, P	50V _{AC} 60V _{DC}	4A					IE-WFHM8KSP4-P/M10	8089343		
	Receptacle male, angled, M8 shielded Cat5e, print contact Back wall-mounting	4, P	50V _{AC} 60V _{DC}	4A					IE-WFHM8SSP4-P/M8	8089344		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

Nomenclature

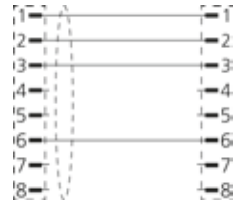


RJ45 patch cords



Cable	Material	UL	Color	Transmission features	Drag chain-adapted
S510	PUR/PE		GY, RD, YE, BU, GN	Cat5e	
S620	HFC/PE	✓	GY, RD, YE, BU, GN, BK	Cat7	
S3400	PUR/PE	✓	GN	Cat5e	✓

Industrial












RJ45 patch cords

Technical data	RJ45
Insulation resistance	$\geq 10^8 \Omega$
Resistance	$\leq 5 \text{ m}\Omega$
Ambient temperature product	$-40^\circ\text{C} \dots +70^\circ\text{C}$
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic
Grip body material	Plastic, TPE, BK
Standards	IEC 60603-7-5
Degree of protection (mounted)	IP20
Mechanical life-cycle	>750 mating cycles
Degree of pollution	1

Our RJ45 patch cords are adapted for industrial applications as well as a structured building wiring. We have launched two product lines: one with PVC-cable quality for Cat5e-applications and another with FRNC-cable quality for Cat6A-applications respectively including four-pair AWG26-cables. The RJ45 patch cords are IP20 tested.

				L = cable length								
		Color	UL	Item description	0,3m	0,5m	1m	2m	5m	7,5m	10m	12,5m
	Double-ended cordset male, straight, RJ45 Cat5e T568B	GY		IE-RJ45SS8.002-L-IE-RJ45SS8.002/S510GY	8068494	8068495	8068496	8068497	8068499	8068501	8068502	8068503
	Double-ended cordset male, straight, RJ45 Cat5e T568B	RD		IE-RJ45SS8.002-L-IE-RJ45SS8.002/S510RD	8068540	8068541	8068542	8068543	8068545	8068546	8068547	8068548
	Double-ended cordset male, straight, RJ45 Cat5e T568B	YE		IE-RJ45SS8.002-L-IE-RJ45SS8.002/S510YE	8068524	8068525	8068526	8068527	8068529	8068530	8068531	8068532
	Double-ended cordset male, straight, RJ45 Cat5e T568B	BU		IE-RJ45SS8.002-L-IE-RJ45SS8.002/S510BU	8068556	8068557	8068558	8068559	8068560	8068561	8068562	8068563
	Double-ended cordset male, straight, RJ45 Cat5e T568B	GN		IE-RJ45SS8.002-L-IE-RJ45SS8.002/S510GN	8068571	8068572	8068573	8068574	8068576	8068577	8068578	8068579
	Double-ended cordset male, straight, RJ45 Cat6A T568B	BK	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620BK	8076929	8077188	8077189	8077190	8077192	8077193	8077194	8077195
	Double-ended cordset male, straight, RJ45 Cat6A T568B	GY	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620GY	8077337	8077338	8077339	8077340	8077342	8077343	8077344	8077345
	Double-ended cordset male, straight, RJ45 Cat6A T568B	RD	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620RD	8077287	8077288	8077289	8077290	8077292	8077293	8077294	8077295
	Double-ended cordset male, straight, RJ45 Cat6A T568B	YE	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620YE	8077320	8077321	8077322	8077323	8077325	8077326	8077327	8077328

					L = cable length							
		Color	UL	Item description	0,3m	0,5m	1m	2m	5m	7,5m	10m	12,5m
	Double-ended cordset male, straight, RJ45 Cat6A T568B	BU	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620BU	8077304	8077305	8077306	8077307	8077309	8077310	8077311	8077312
	Double-ended cordset male, straight, RJ45 Cat6A T568B	GN	•	IE-RJ45SS8.002-L-IE-RJ45SS8.002/S620GN	8077354	8077465	8077466	8077467	8077469	8077470	8077471	8077472
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	BK	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620BK	8076930	8077149	8077479	8077480	8077482	8077483	8077484	8077485
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	GY	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620GY	8077555	8077556	8077557	8077558	8077559	8077561	8077562	8077563
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	RD	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620RD	8077492	8077493	8077494	8077495	8077497	8077498	8077499	8077500
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	YE	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620YE	8077510	8077511	8077512	8077514	8077515	8077516	8077517	8077518
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	BU	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620BU	8077540	8077541	8077542	8077543	8077545	8077546	8077547	8077548
	Double-ended cordset male, straight, RJ45 Cat6A Crossover	GN	•	IE-RJ45SS8.002-L-IE-RJ45SS8.012/S620GN	8077525	8077526	8077527	8077528	8077530	8077531	8077532	8077533
	Double-ended cordset male, straight, RJ45 light shielded Cat5e Industrial	GN		IE-RJ45SLS8.005-L-IE-RJ45SLS8.005/S3400	8070278	8070956	8069789	8071964	8075806	8075807	8075808	8075809

				L = cable length							
	Color	UL	Item description	0,3m	0,5m	1m	2m	5m	7,5m	10m	12,5m
	GN		Double-ended cordset male, angled, RJ45, 0° male, straight, RJ45 shielded Cat5e Industrial IE-W0RJ45SS8.005-L-IE-RJ45SS8.005/S3400			8080803	8080804	8080752			
	GN		Double-ended cordset male, angled, RJ45, 90° male, straight, RJ45 shielded Cat5e Industrial IE-W3RJ45SS8.005-L-IE-RJ45SS8.005/S3400			8080805	8080806	8080753			
	GN		Double-ended cordset male, angled, RJ45, 180° male, straight, RJ45 shielded Cat5e Industrial IE-W6RJ45SS8.005-L-IE-RJ45SS8.005/S3400			8080807	8080995	8080754			
	GN		Double-ended cordset male, angled, RJ45, 270° male, straight, RJ45 shielded Cat5e Industrial IE-W9RJ45SS8.005-L-IE-RJ45SS8.005/S3400			8080808	8080997	8080755			

