

## ETHERLINE® Cat.6A Flex patch cables

Pre-assembled patch cables based on our ETHERLINE® Cat.7 FLEX.

ETHERLINE® Cat.6A Flex patch cables

### Info

Additional variants are available at  
[www.lappgroup.com/assemblyfinder](http://www.lappgroup.com/assemblyfinder)  
or on request.

Based on 2170934



EtherCAT



Supplementary automation components from Lapp



Mechanical and plant engineering



Flame-retardant



Halogen-free



Assembly time



Interference signals

### Benefits

Connecting cable assembled on one or on both sides saves installation time and reduces or eliminates the potential for on-site assembly errors.

Suitable for Ethernet applications information exchange at up to 10 Gbit/s over 60 m thanks to Cat.6A Ethernet.

Available with RJ45 or M12 connectors. The slim RJ45 connector enables use in devices with a very high port density, while the

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integrated vibration protection of the M12 connector is useful in applications with shock and vibrations.

Ideal protection against electromagnetic interference thanks to pair screening with aluminium compound foil and copper braiding as overall screening (S/FTP).

Halogen-free core insulation and sheath compound to meet special fire protection requirements.

### Application range

For structured building cabling according to EN 50173 and ISO/IEC 11801.

Also suitable for EtherCAT and EtherNET/IP applications.

Compliant with standards for use in buses (fire behaviour test according to UNECE-R 118 for vehicles of category M3 (II and III)).

Can be used in dry, damp and especially in harsh and oily environments.

The PUR outer sheath is insensitive to mineral oil-based lubricants and is chemically resistant in many cases.

### Product features

Meets the requirements according to CAT.6A, ISO/IEC 11801 and EN 50173

4pair: 10/100/1000 Mbit/s for Industrial Ethernet

### Product Make-up

Braided conductor, 4x2x AWG26/7

Twisted pair construction permits largely interference-free operation (decoupling).

High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Outer sheath: PUR compound, halogen-free

Pre-assembled patchcord with norm-compliant connectors

Colour: green (based on RAL 6018)

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC002599 ETIM 5.0 Class-Description: Patch cord copper (twisted pair) industry
Minimum bending radius:	Fixed installation: 4 x outer diameter Flexing: up from 10 x outer diameter
Protection rating:	M12 -IP67 RJ45 - IP20
Coding:	M12: X-Standard
Temperature range:	Flexing: -30°C to +80°C (M12) Flexing: -40°C to +70°C (RJ45)

### Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Length (m)	Copper index (kg/km)
M12 (X-coded), plug to M12 (X-coded), plug			
2172326	IE-6A-M12X-S-0,5-P-4-26-7-M12X-S	0.5	14
2172327	IE-6A-M12X-S-1-P-4-26-7-M12X-S	1	28
2172328	IE-6A-M12X-S-2-P-4-26-7-M12X-S	2	56
2172329	IE-6A-M12X-S-3-P-4-26-7-M12X-S	3	84
2172330	IE-6A-M12X-S-5-P-4-26-7-M12X-S	5	140
2172331	IE-6A-M12X-S-7-P-4-26-7-M12X-S	7	196
2172332	IE-6A-M12X-S-10-P-4-26-7-M12X-S	10	280
2172333	IE-6A-M12X-S-15-P-4-26-7-M12X-S	15	420
2172334	IE-6A-M12X-S-20-P-4-26-7-M12X-S	20	560
M12 (X-coded), plug to M12 (X-coded), flange-socket			
2172335	IE-6A-M12X-S-0,5-P-4-26-7-M12XF-S	0.5	14
2172336	IE-6A-M12X-S-1-P-4-26-7-M12XF-S	1	28
2172337	IE-6A-M12X-S-2-P-4-26-7-M12XF-S	2	56
2172338	IE-6A-M12X-S-3-P-4-26-7-M12XF-S	3	84
2172339	IE-6A-M12X-S-5-P-4-26-7-M12XF-S	5	140
2172340	IE-6A-M12X-S-7-P-4-26-7-M12XF-S	7	196
2172341	IE-6A-M12X-S-10-P-4-26-7-M12XF-S	10	280
2172342	IE-6A-M12X-S-15-P-4-26-7-M12XF-S	15	420
2172343	IE-6A-M12X-S-20-P-4-26-7-M12XF-S	20	560
M12 (X-coded), flange-socket to M12 (X-coded), flange-socket			
2172344	IE-6A-M12XF-S-0,5-P-4-26-7-M12XF-S	0.5	14
2172345	IE-6A-M12XF-S-1-P-4-26-7-M12XF-S	1	28
2172346	IE-6A-M12XF-S-2-P-4-26-7-M12XF-S	2	56
2172347	IE-6A-M12XF-S-3-P-4-26-7-M12XF-S	3	84
2172348	IE-6A-M12XF-S-5-P-4-26-7-M12XF-S	5	140
2172349	IE-6A-M12XF-S-7-P-4-26-7-M12XF-S	7	196
2172350	IE-6A-M12XF-S-10-P-4-26-7-M12XF-S	10	280
2172351	IE-6A-M12XF-S-15-P-4-26-7-M12XF-S	15	420
2172352	IE-6A-M12XF-S-20-P-4-26-7-M12XF-S	20	560
M12 (X-coded), plug to RJ45, plug			
2172380	IE-6A-M12X-S-0,5-P-4-26-7-RJ45	0.5	14
2172381	IE-6A-M12X-S-1-P-4-26-7-RJ45	1	28
2172382	IE-6A-M12X-S-2-P-4-26-7-RJ45	2	56
2172383	IE-6A-M12X-S-3-P-4-26-7-RJ45	3	84

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2172384	IE-6A-M12X-S-5-P-4-26-7-RJ45	5	140
2172385	IE-6A-M12X-S-7-P-4-26-7-RJ45	7	196
2172386	IE-6A-M12X-S-10-P-4-26-7-RJ45	10	280
2172387	IE-6A-M12X-S-15-P-4-26-7-RJ45	15	420
2172388	IE-6A-M12X-S-20-P-4-26-7-RJ45	20	560
M12 (X-coded), flange-socket to RJ45, plug			
2172389	IE-6A-M12XF-S-0,5-P-4-26-7-RJ45	0,5	14
2172390	IE-6A-M12XF-S-1-P-4-26-7-RJ45	1	28
2172391	IE-6A-M12XF-S-2-P-4-26-7-RJ45	2	56
2172392	IE-6A-M12XF-S-3-P-4-26-7-RJ45	3	84
2172393	IE-6A-M12XF-S-5-P-4-26-7-RJ45	5	140
2172394	IE-6A-M12XF-S-7-P-4-26-7-RJ45	7	196
2172395	IE-6A-M12XF-S-10-P-4-26-7-RJ45	10	280
2172396	IE-6A-M12XF-S-15-P-4-26-7-RJ45	15	420
2172397	IE-6A-M12XF-S-20-P-4-26-7-RJ45	20	560
RJ45, plug to RJ45, plug			
2172362	IE-6A-RJ45-0,5-P-4-26-7-RJ45	0,5	14
2172363	IE-6A-RJ45-1-P-4-26-7-RJ45	1	28
2172398	IE-6A-RJ45-1,5-P-4-26-7-RJ45	1,5	42
2172364	IE-6A-RJ45-2-P-4-26-7-RJ45	2	56
2172399	IE-6A-RJ45-2,5-P-4-26-7-RJ45	2,5	70
2172365	IE-6A-RJ45-3-P-4-26-7-RJ45	3	84
2172400	IE-6A-RJ45-3,5-P-4-26-7-RJ45	3,5	98
2172366	IE-6A-RJ45-5-P-4-26-7-RJ45	5	140
2172367	IE-6A-RJ45-7-P-4-26-7-RJ45	7	196
2172368	IE-6A-RJ45-10-P-4-26-7-RJ45	10	280
2172369	IE-6A-RJ45-15-P-4-26-7-RJ45	15	420
2172370	IE-6A-RJ45-20-P-4-26-7-RJ45	20	560
M12 (X-coded), plug to open end			
2172317	IE-6A-M12X-S-0,5-P-4-26-7-OE	0,5	14
2172318	IE-6A-M12X-S-1-P-4-26-7-OE	1	28
2172319	IE-6A-M12X-S-2-P-4-26-7-OE	2	56
2172320	IE-6A-M12X-S-3-P-4-26-7-OE	3	84
2172321	IE-6A-M12X-S-5-P-4-26-7-OE	5	140
2172322	IE-6A-M12X-S-7-P-4-26-7-OE	7	196

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Article number	Article designation	Length (m)	Copper index (kg/km)
2172323	IE-6A-M12X-S-10-P-4-26-7-OE	10	280
2172324	IE-6A-M12X-S-15-P-4-26-7-OE	15	420
2172325	IE-6A-M12X-S-20-P-4-26-7-OE	20	560
M12 (X-coded), flange-socket to open end			
2172353	IE-6A-M12XF-S-0,5-P-4-26-7-OE	0.5	14
2172354	IE-6A-M12XF-S-1-P-4-26-7-OE	1	28
2172355	IE-6A-M12XF-S-2-P-4-26-7-OE	2	56
2172356	IE-6A-M12XF-S-3-P-4-26-7-OE	3	84
2172357	IE-6A-M12XF-S-5-P-4-26-7-OE	5	140
2172358	IE-6A-M12XF-S-7-P-4-26-7-OE	7	196
2172359	IE-6A-M12XF-S-10-P-4-26-7-OE	10	280
2172360	IE-6A-M12XF-S-15-P-4-26-7-OE	15	420
2172361	IE-6A-M12XF-S-20-P-4-26-7-OE	20	560
RJ45, plug to open end			
2172371	IE-6A-RJ45-0,5-P-4-26-7-OE	0.5	14
2172372	IE-6A-RJ45-1-P-4-26-7-OE	1	28
2172373	IE-6A-RJ45-2-P-4-26-7-OE	2	56
2172374	IE-6A-RJ45-3-P-4-26-7-OE	3	84
2172375	IE-6A-RJ45-5-P-4-26-7-OE	5	140
2172376	IE-6A-RJ45-7-P-4-26-7-OE	7	196
2172377	IE-6A-RJ45-10-P-4-26-7-OE	10	280
2172378	IE-6A-RJ45-15-P-4-26-7-OE	15	420
2172379	IE-6A-RJ45-20-P-4-26-7-OE	20	560

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