

Industrial Ethernet Cable

More Choice in Ethernet Connectivity



AlphaEssentials



Alpha Wire is introducing ten new Industrial Ethernet constructions to the Alpha Essentials Ethernet line. The expansion includes a wide range of categories including CAT 5e, CAT 6, and CAT 7, to better serve your component integration and bandwidth needs. All products are fully compatible with RJ45 connectors.

Ethernet cables are available in conductor sizes from 26-22 AWG with temperature ranges between -40°C to +90°C. The collection includes cables of varying flexibility (continuous, torsional, and moderate flex) and approvals. The expanded offerings now include an LSZH product suitable for the medical and transportation industries, plus a flat construction which is ideal when space is at a premium. Alpha Wire's Industrial Ethernet is a perfect solution for applications in the robotics, medical, automation, and transportation industries.

- RoHS 2 and REACH compliant
- CE and RoHS Certified
- Foil/braid and tinned copper braid shielding
- Resistance in harsh environments (oil, gas, dust, mold)
- Stranded and solid conductors available
- Continuous, moderate, and torsional flex
- 500 ft standard put up length (7602F stocks 500 ft and 1000 ft)
- Low smoke zero halogen and flat cable constructions

Alpha Wire

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Specifications

Operating Temperature Range

- 40°C to +90°C

Jacket Materials

- ZH-PUR
- PVC
- TPE

Conductor Materials

- Tinned Copper
- Bare Copper
- Copper Alloys

Colors

- Green
- Black

Availability

- 500 ft (152 m)



Industrial Ethernet Cable

Part No.	AWG (Stranding)	Number of Pairs/Conductors	Category	O. D.	Insulation	Shielding	Flex Type	Jacket	Jacket Color
74001	22 (19/34)	Cond	5e	0.256	PO	Foil/Braid (85%)	Continuous (5M Flex Life Cycles)	ZH-PUR	Green
74002	26 (7/34)	2 Pair	5e	0.236	PP	Foil/Braid (80%)	Flexible	ZH-PUR	Black
74003	26 (7/34)	2 Pair	5e	0.236	PP	Foil/Braid (80%)	Flexible	PVC	Black
74004	26 (7/34)	4 Pair	7	0.268	PE	TC Braid (65%)	Flexible	ZH-PUR	Black
74005	22 (19/34)	Cond	5	0.256	PP	Foil/Braid (85%)	Torsional (2M Flex Life Cycles)	ZH-PUR	Green
74006	26 (19/38)	4 Pair	5e	0.252	PP	Foil/Braid (80%)	Torsional (1M Flex Life Cycles)	ZH-PUR	Black
74007	22 (19/34)	Cond	5e	0.264	PO	Foil/Braid (80%)	Flexible	ZH-PUR	Black
74008	24 (Solid BC)	4 Pair (Bonded)	5e	0.285	PO	Unshielded	Static	PVC	Black
74009	22 (Solid BC)	4 Pair (Bonded)	5e	0.301	PO	Unshielded	Static	PVC	Black
74010	23 (Solid BC)	4 Pair (Bonded)	6	0.126	PO	Unshielded	Static	PVC	Black
7602F	24 (7/32)	4 Pair	5e	0.342	PO	Foil/Braid (85%)	Continuous (10 M Flex Life Cycles)	TPE	Black

Approvals

	74001	74002	74003	74004	74005	74006	74007	74008	74009	74010	7602F
ANSI/TIA 568-C.2	•	•	•	•		•		•	•	•	
AWM 20626											•
EN 50173-1		•	•	•		•					
EN 60332-1			•				•				
EN 60754-1						•	•				
EN 60754-2		•		•							
EN 60811-2-1	•			•	•	•	•				
FT1										•	•
FT2	•	•		•	•	•					
FT4								•	•		
IEC 60811-2-1		•	•								
ISO/IEC 11801	•		•	•	•	•	•	•	•		•
ISO/IEC 24702		•	•								
NEMA WC-63.1								•	•		
OIL RES I								•	•	•	
PROFINET	•				•						
SUN RES								•	•	•	•
UL AWM 20549	•	•									
UL CMR								•	•		
VW-1											•

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AlphaWire

Cables you trust. Service you deserve.