

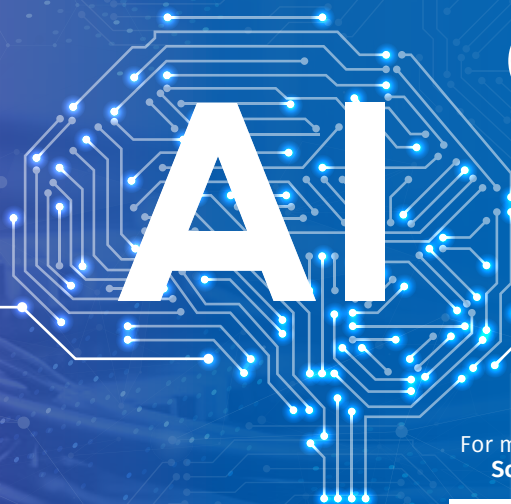


Smart Connectivity

Catalog of Six Major Application Cables



Connect AI with WONDERFUL Cables



For more info
Scan here!



Datacom

LAN Cable Certificate

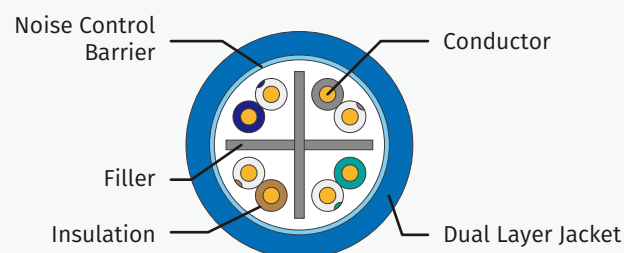
◆ Blue point: with 3P POE++ certificate

◆ Red point: with UL-LP certificate

No.		Cable Type		PVC	LSOH	CM	CMR	CMP
1	Cat.8	22AWG	S/FTP	◆		◆	◆	◆
2	Cat.8	26AWG	S/FTP	◆		◆	◆	
3	Cat.7A	22AWG	S/FTP				◆	◆
4	Cat.7A	23AWG	S/FTP	◆	◆	◆	◆	◆
5	Cat.7	23AWG	S/FTP	◆	◆		◆	◆
6	Cat.6A	23AWG	U/UTP	◆	◆	◆	◆	◆
			U/UTP (Small OD)				◆	◆
			F/UTP	◆	◆	◆	◆	◆
			S/FTP		◆		◆	◆
7	Cat.6A	28AWG	U/UTP		◆	◆	◆	
8	Cat.6	22AWG	U/UTP				◆	◆
9	Cat.6	23AWG	U/UTP	◆	◆	◆	◆	◆
			F/UTP	◆	◆	◆	◆	◆
10	Cat.6	24AWG	U/UTP			◆	◆	◆
11	Cat.6	28AWG	U/UTP		◆	◆	◆	
12	Cat.5e	24AWG	U/UTP	◆	◆	◆	◆	◆
			F/UTP	◆	◆	◆	◆	◆

Small OD (VTP) Cat.6A

- Overall Noise Control Barrier brings excellent alien crosstalk blocking and small overall diameter.
- Cat.6A performance, smaller overall diameter, efficient use of pathways and spaces.
- CMP OD 8.0 (0.315 inch) → 6.4mm (0.252 inch)
CMP OD 8.3 (0.326 inch) → 7.0mm (0.283 inch)

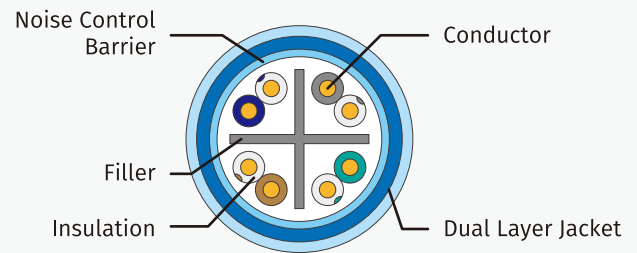


Certification: UV CMP-LP (0.6A) 120W, CMR-LP (0.5A) 100W

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CMX outdoor - CMP Cable

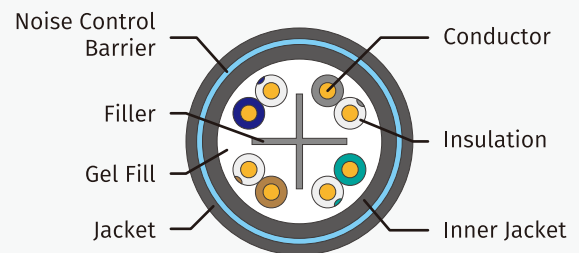
- Dual layer overall jacket.
- Designed for all-in-one indoor plenum and outdoor CMX cable.
- Can be pulled from the outdoors into the indoor directly.
- UTP(VTP) with Noise Control Barrier providing good protection from EMI noise.
- Cat.6 and Cat.6A performance.



Certification: UL 444(E142890) CMX, CM, CMP, CMX outdoor, CMX outdoor-CM, CMX outdoor-CMP
UL 13(E122980) CL2X, CL3X, CL2, CL3, CL2P, CL3P and PLTC

UTP Cat.6A Direct Burial Cable

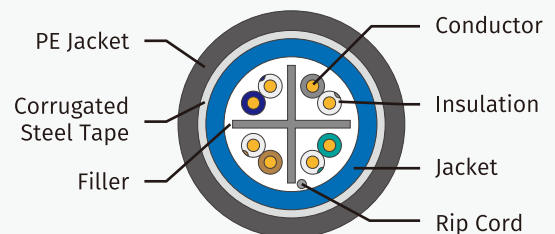
- Outdoor and direct burial purposes with gel-filled.
- Heavy pressure resistance and waterproof.
- Direct buried in smart green house, building to building applications.
- Dual-layer jacket with overall noise control barrier design to reduce alien crosstalk.



Certification: UV test 720HR, UL 13 Sec.35(crushinh test, 1000 lb)

Steel sheath OSP Cable

- UTP Cat.5e and Cat.6 performance.
- Corrugated steel sheath with flame resistance PE outer jacket.
- Design for long term use on outside plant and direct burial applications.
- Resistant to sun exposure, heavy pressure, rat bites, and VW-1 flame resistance.

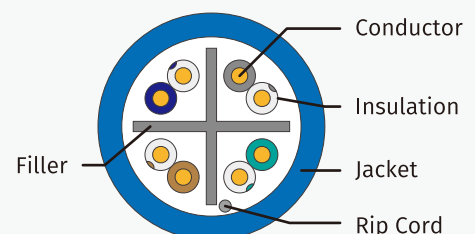


Certification: UL 444 CMX Outdoor (75°C, VW-1, uv res), UL13 Sec.35 (Crushing Test, 1000 lb)

-40°C Weather Resistant Cable

Special jacket material and overall design can withstand -40°C @ 4Hr cold impact test.

Certification: UL CITS -40°C @ 4hr Cold impact (GR-3164)



and more ...



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Green Energy

Energy Storage Cable



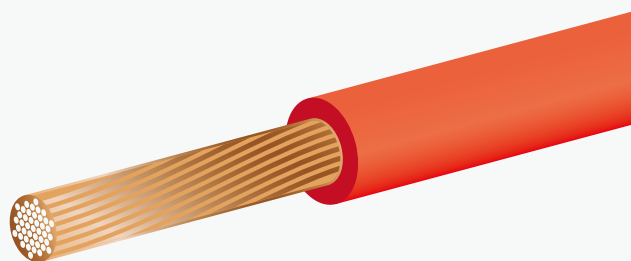
Large current
8~120mm²



High temperature rate
Silicon, rubber, TPE insulation



Limited wiring space
Soft, thin copper, multiple cores



AWM	Insulation	Temp.	Voltage
3932	XLPE	125°C	2000V
10183	XL PVC	105°C	1000V
10070	PVC	105°C	600V
10269	PVC	105°C	1000V
3135	SR	200°C	600V

EV Charge Cable



Insulation & Jacket by TPE
flexibility & durability



90°C or 105°C
Temperature rate



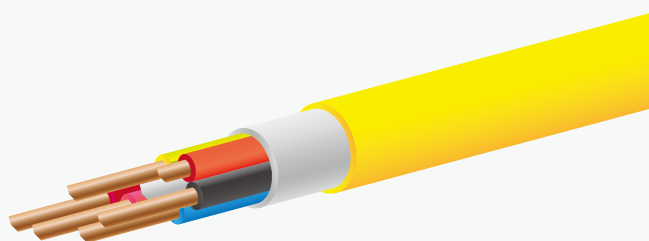
2 ~ 18 AWG
Bare or Tinned copper



Weather Resistant
Sunlight, -40°C cold bend



Flame Resistant
VW-1



UL 2263 EV Charge Cable

www.wontex.com

Solar Cable



-40°C ~ 90°C
Ambient temperature range



DC 1.5KV max



AC 1.0KV



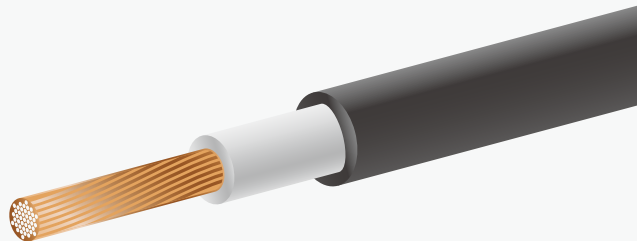
25
years life cycle



Weather Resistant



UV Resistant



UL PV Power Cable
UL4703



TUV EN 50618:2014, H1Z2Z2-K
1X1.5 MM².....1X16 MM²

Why Choose Us? Wonderful Hi-Tech Advantages



Multi-Site Manufacturing
(Taiwan/China/Thailand/Vietnam)



Technical Support



CCCA, TIA, BICSI Member



Experienced OEM MFR



**Products are certified by
International Lab**



Product Diversity

Global Locations

Established: Taiwan @1978 | Taipei & Chungli



Taiwan HQ - Taipei
WONDERFUL HI-TECH CO., LTD.

USA Offices - Los Angeles
ABA INDUSTRY INC.

Thailand Factories - Bangkok
THAI WONDERFUL WIRE CABLE CO., LTD.

Taiwan Factories - Chungli
WONDERFUL HI-TECH CO., LTD.

China Factories - Dongguan
WONDERFUL PHOTOELECTRICITY (DONG GUAN) CO., LTD.

Vietnam Factories - Hai Duong
WONDERFUL (VIETNAM) WIRE & CABLE CO., LTD.



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For more info
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Industrial

Robot Arm Cable

Industrial drag chain system, automatic production line, servo motor, logistics transmission equipment, numerical control machine.

2 to 20 million life times cycles.

Withstand 10 million times chain cycles without cracking and with a DCR increase of $\leq 5\%$.

Feature



Flexibility &
Bending / Torsion
Resistant



Electromagnetic
Interference
Resistant



Oil
Resistant



Heat
Resistant

FEP-FEP CMP Cable

FEP insulation, FEP jacket, foil shield with drain wire, CMP rating.

Designed for indoor and outdoor high temperature use, fireproof control cables.

NFPA 262 (CMP): temperature range: $-40^{\circ}\text{C} \sim 200^{\circ}\text{C}$

Feature



Flexibility &
Bending / Torsion
Resistant



Electromagnetic
Interference
Resistant



Oil
Resistant



Heat
Resistant



Chemical
Resistant



Weather
Resistant



Non
Flammable

www.wontex.com

CMX OUTDOOR-CMP Cable

Dual layer overall jacket.

All-in-one indoor plenum and outdoor CMX cable
UTP(VTP) with Noise Control Barrier providing
good protection from EMI noise.

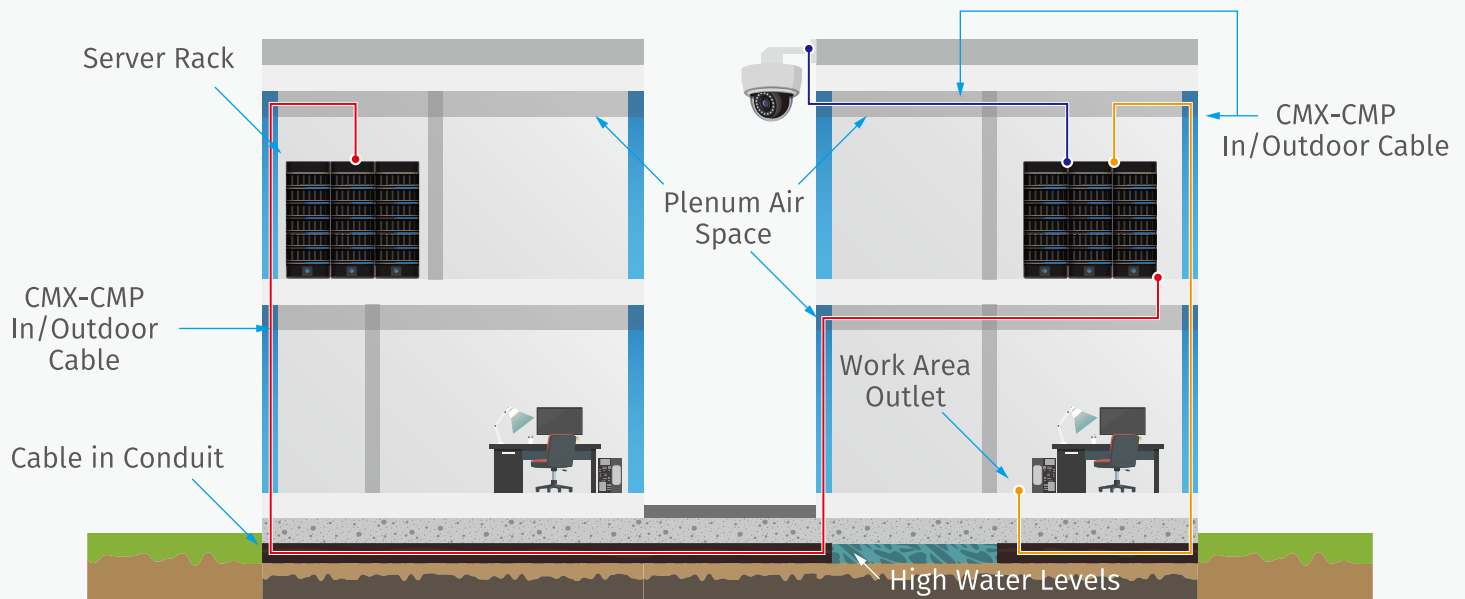
Supports Cat.6 and Cat.6A performance standards.



Certification:

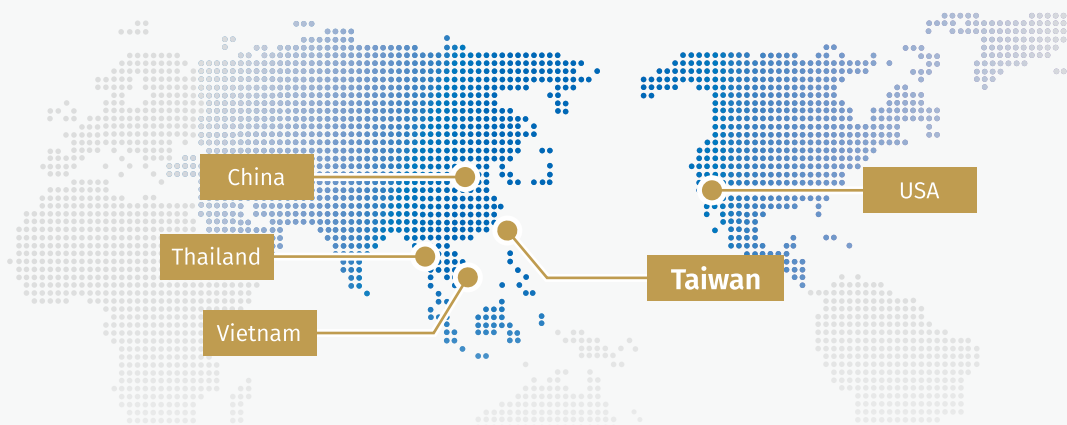
UL 444 (E142890): CMX, CM, CMP, CMX outdoor, CMX outdoor-CM, CMX outdoor-CMP

UL 13 (E122980): CL2X, CL3X, CL2, CL3, CL2P, CL3P and PLTC



Global Locations

Established: Taiwan @1978 | Taipei & Chungli



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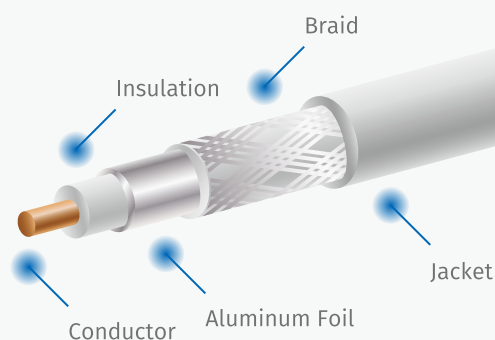
Electrical

For more info
Scan here!



Coaxial Cable

- Provide reliable, high-quality signal transmission while ensuring the safety of the building's occupants in the event of a fire.
- BC or CCS conductor, Dual or Quad shield available.
- Cable designed for use in buildings with a plenum space or riser space.



Applications



Data center



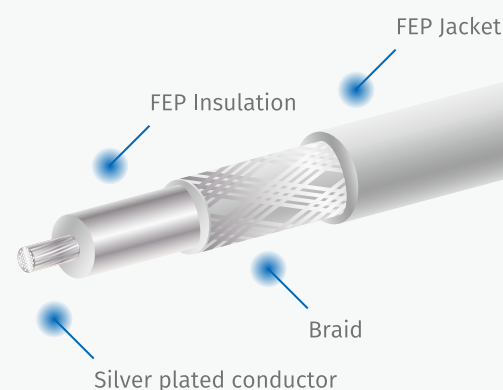
CCTV system



Networking applications

RF Coaxial Cable

- Mini size, extremely flexible
- Silver plated conductors provide excellent attenuation stability and prevent conductor oxidation.
- Minimizing attenuation changes over time.



Applications



Cellphone



Computer



Laptop



Wireless access point



GPS



Home appliances



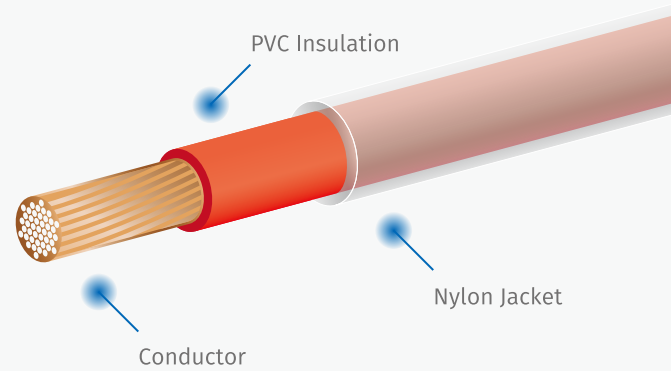
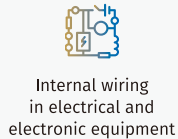
Broadcast system

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Nylon wire (THHN/THWN)

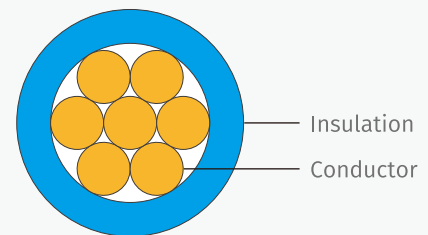
- Excellent corrosive resistance, oil and gasoline resistance.
- Abrasion resistance and heat resistance.
- Rated temperature: 90°C dry and 75°C wet.
- Rated voltage: 600V

Applications



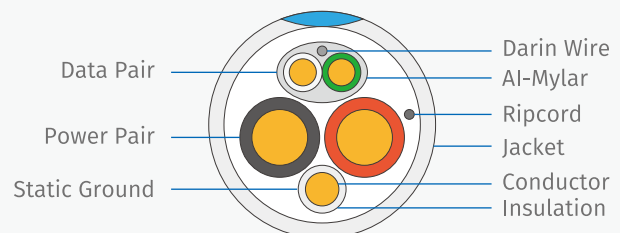
High Temperature Wire

- Heat resistance, Oil resistance, Chemical resistance, Weather resistance, Non-flammable, Electrical stability.
- Temperatures ranging from -200°C to +250°C.
- **Certification:**
FEP: UL style 1330,1331,1332,10064
PFA: UL style 1726,1727, 10064,10231, 10362
ETFE: UL style 1867, 10064, 10231
- **Application:** Chemical, electrical, automobile and medical applications



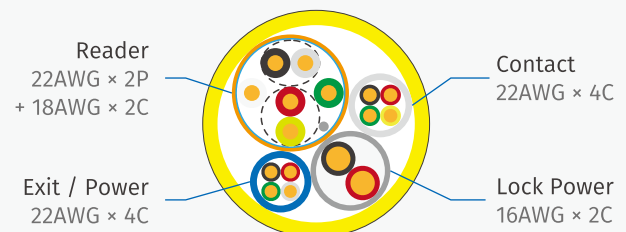
Lighting Control Cable

- Riser and Plenum are available.
- **Certification:** CL3R, CMR / CL3R, CMP



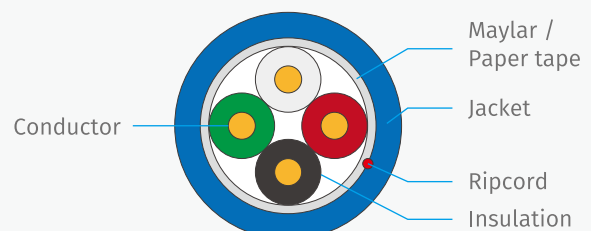
Access Control Cable

- All in a single cable:
Card Reader, Door Contact, Request to exit and lock power, device connectivity in a single cable.
- **Certification:** CMP & CMR 75°C 300V



Speaker Cable

- For the electrical connections between speakers and amplifier sources.
- **Certification:** CM, CMR, CMP, CL2, CL3, CL3R, CL3P



and more ...



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Home Appliances



Type A
USA / Canada / Japan



Type I
Australia / New Zealand



Type E
EU / Indonesia / Korea



Type O
Thailand



Type G
UK / Malaysia / Hong Kong



Type D
India / Sri Lanka

and more ...

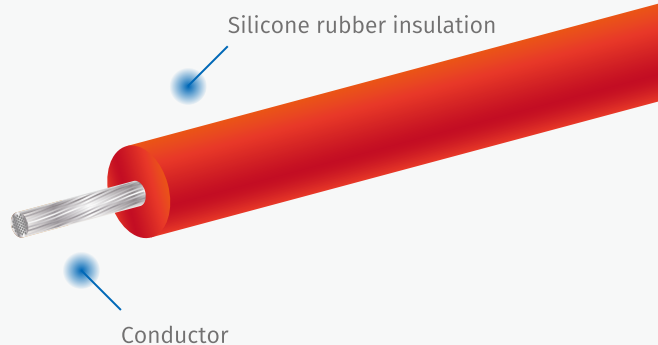
Certification



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Silicone Rubber Wire

- Designed for internal wiring in electrical and medical equipment which requires high temperature and voltage.
- Temperature rating : 150°C
- Voltage rating: 5KV
- UL style: 3239



About Wonderful HI-TECH



45+

years of reliable partnership



Global presence in
5 countries



Manufacturing
7+ categories of products



Supporting a variety of
specifications of cable

Why Choose Us?

Wonderful Hi-Tech Advantages



Multi-Site Manufacturing
(Taiwan/China/Thailand/Vietnam)



Technical Support



CCCA, TIA, BICSI Member



Experienced OEM MFR



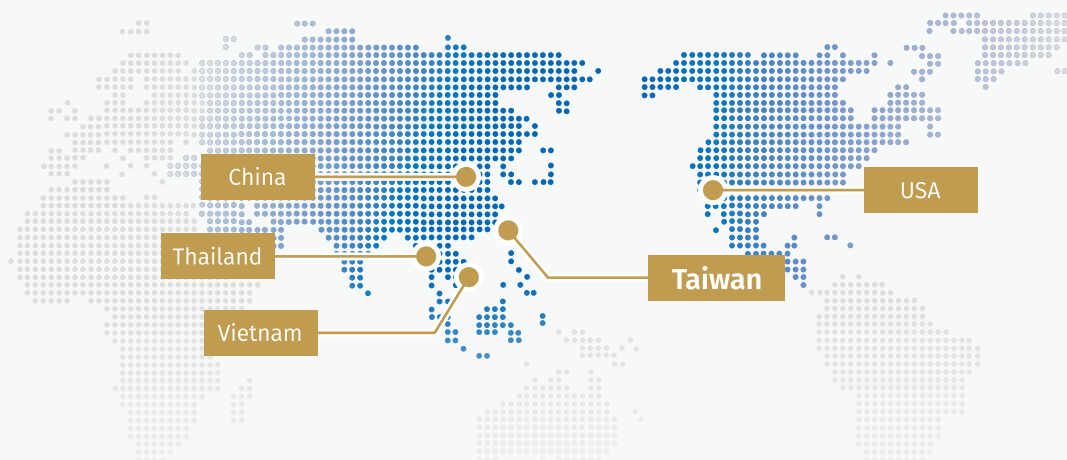
**Products are certified by
International Lab**



Product Diversity

Global Locations

Established: Taiwan @1978 | Taipei & Chungli



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Automobile Wire

EV traction motor temperature sensing

Ni clad or tinned copper with PFA insulation

Temperature range: -40 to 260°C

Non-flammable PFA wire

287°C x 168 hr (7-day) aging test

Reliability tests including exposure to 5% NaCl solution at temperature ranging from -15°C to +85°C for 168 hrs, exposure to 200°C for 1000 hrs

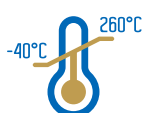
-40°C to +200°C for 1000 cycles

EV Traction Motor
Temperature Sensor

Low-voltage circuits
for automobiles

Ethernet-based
automation connectivity

Features



Temperature
Range



Heat
Resistant



Oil
Resistant



Chemical
Resistant



Weather
Resistant



Non-flammable

Certification



GMW 15626

General Motors, GM



JASO D611/D618

Japan



ISO 6722

Europe



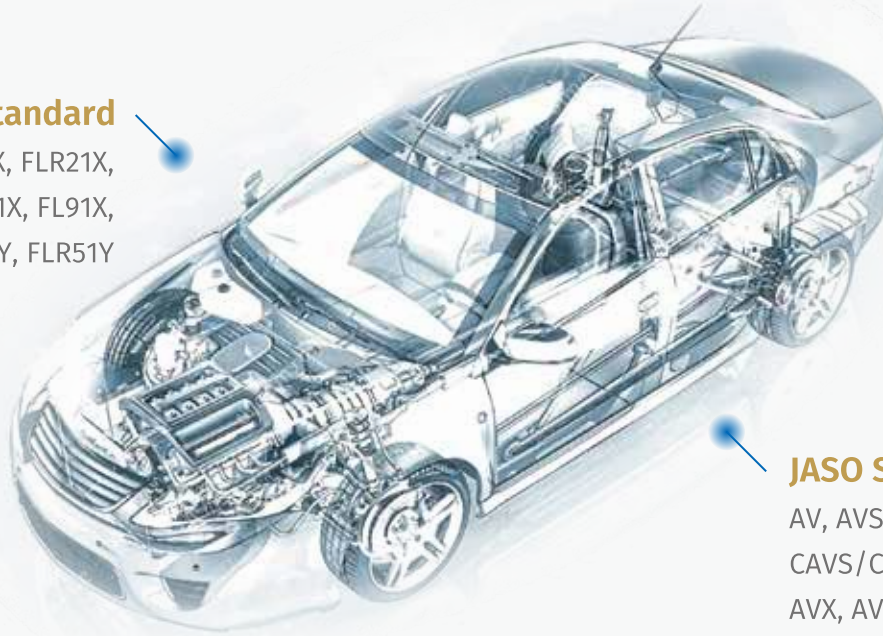
SAE J-1128/112

USA

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ISO 6722 Standard

FLRY, FLY, FLR2X, FLR21X,
FL2X, FL21X, FLR91X, FL91X,
FLR7Y, FLR6Y, FLR51Y



JASO Standard

AV, AVS, AVSS,
CAVS/CAVUS/CIVUS,
AVX, AVSX, AVFX, AVXS, AVSSX,
AVSSH, AEX, AESSX

SAE J-1128 Standard

GPT, GXL, TXL, SXL

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Wonderful Hi-Tech Advantages



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