



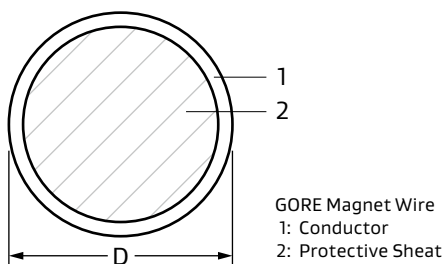
GORE® MAGNET WIRES

Superior Motor Performance and Extreme Durability

GORE Magnet Wires are engineered to deliver unmatched reliability and durability for electric motors operating in the most challenging environments where the cost of failure is high. Designed to withstand water and oil infiltration, these wires ensure long-lasting motor functionality and prevent costly breakdowns caused by insulation degradation, short circuits, and corrosion.

Key Features & Benefits:

- **Superior Water and Oil Resistance:**
Protect motor windings from moisture and lubricants, ensuring continued efficiency in marine, wastewater, outdoor, and industrial installations.
- **Exceptional Durability Under High-Pressure High-Temperature (HPHT) Conditions:**
Performance proven to remain functional after 48 days of exposure, greatly outlasting traditional enameled wires that fail in just 90 hours
- **Continuous Voltage Endurance:**
Designed for high-performance applications with reliable voltage capabilities and extreme temperature resistance up to 260 °C.
- **Hydrolysis and Coolant Resistance:**
Maintain integrity in moisture-intensive environments.
- **High Breakdown Voltage:**
Prevent electrical failures and extend motor lifespan.

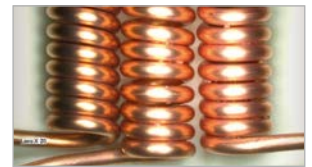


GORE Magnet Wires outperform PI enameled wires.

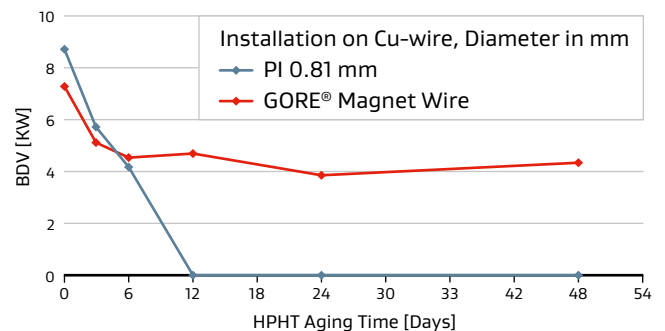
Test results after high pressure high temperature testing (280 °C with H₂O in synthetic oil).



Polyamide enameled wires become brittle and crack.



GORE Magnet Wires remain intact.



After 90 hours, PI enameled wires experience significant insulation resistance loss and voltage breakdown performance degradation. GORE Magnet Wires continue to perform reliably over 48+ days.

GORE Magnet Wires (MW) and GORE Transformer Wires (TW) - Standard Parts

Gore can design MW and TW from AWG40 to AWG08

Type	Size	Drawing number	Item number	Outside diameter (D)	Operating voltage	Breakdown voltage	Operating temperature	Bend radius static
MW	AWG 21	GSC-33-61201-00	336120100	0,772 mm min. – 0,816 mm max. (.0304" min. – .0321" max.)	500 V AC	7000 V AC	-55°C to +260°C	3,0 mm (.118")
MW	AWG 22	GSC-33-61203-00	336120300	0,691 mm min. – 0,734 mm max. (.0272" min. – .0289" max.)	500 V AC	7000 V AC	-55°C to +260°C	3,0 mm (.118")
MW	AWG 23	GSC-33-61205-00	336120500	0,625 mm min. – 0,663 mm max. (.0246" min. – .0261" max.)	500 V AC	7000 V AC	-55°C to +260°C	3,0 mm (.118")
MW	AWG 24	GSC-33-61207-00	336120700	0,562 mm min. – 0,600 mm max. (.0221" min. – .0236" max.)	500 V AC	7000 V AC	-55°C to +260°C	2,5 mm (.098")
MW	AWG 25	GSC-33-61209-00	336120900	0,506 mm min. – 0,544 mm max. (.0199" min. – .0214" max.)	500 V AC	7000 V AC	-55°C to +260°C	2,5 mm (.100")
MW	AWG 26	GSC-33-61164-00	336116400	0,455 mm min. – 0,493 mm max. (.0179" min. – .0194" max.)	500 V AC	7000 V AC	-55°C to +260°C	2,5 mm (.100")
MW	AWG 28	GSC-33-61112-00	336111200	0,374 mm min. – 0,408 mm max. (.0147" min. – .0160" max.)	500 V AC	7000 V AC	-55°C to +260°C	2,5 mm (.100")
MW	AWG 32	GSC-33-61223-00	336122300	0,249 mm min. – 0,266 mm max. (.0098" min. – .0105" max.)	300 V AC	5200 V AC	-55°C to +260°C	2,0 mm (.079")
MW	AWG 33	GSC-33-61162-00	336116200	0,238 mm min. – 0,260 mm max. (.0094" min. – .0102" max.)	300 V AC	5200 V AC	-55°C to +260°C	1,5 mm (.059") TBC
TW	AWG 22	GSC-33-61185-00	336118500	0,695 mm min. – 0,722 mm max. (.0274" min. – .0284" max.)	400 V AC	6400 V AC	-55°C to +260°C	3,0 mm (.118")
TW	AWG 23	GSC-33-61194-00	336119400	0,629 mm min. – 0,651 mm max. (.0248" min. – .0256" max.)	400 V AC	6400 V AC	-55°C to +260°C	3,0 mm (.118")
TW	AWG 24	GSC-33-61186-00	336118600	0,565 mm min. – 0,588 mm max. (.0223" min. – .0231" max.)	400 V AC	6400 V AC	-55°C to +260°C	2,5 mm (.098")
TW	AWG 26	GSC-33-61187-00	336118700	0,447 mm min. – 0,469 mm max. (.0176" min. – .0185" max.)	300 V AC	5200 V AC	-55°C to +260°C	2,5 mm (.098")
TW	AWG 28	GSC-33-61188-00	336118800	0,366 mm min. – 0,383 mm max. (.0144" min. – .0151" max.)	300 V AC	5200 V AC	-55°C to +260°C	2,5 mm (.098")

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