

LSZH & halogen-free cables

RMM2C35 600/1000V EN 50264-3-2 MMS

RMM2C35 EN 50264-3-2 600/1000V 2×35 mm² MMS Rolling Stock Power Cable

EN 50264-3-2 MMS / EN 45545-2 HL3 · 0.6/1 kV · −40...+120 °C · Min. bend 6 × OD

EN 50264-3-2 MMS / EN 45545-2 HL3 | 0.6/1 kV

Application

EN 50264-3-2 MMS & EN 45545-2 HL3 (0.6/1 kV AC, -40 to +120 °C) 2×35 mm² tinned copper EI 109 XLPO insulated, 80% braided and EM 104 halogen-free rolling stock power cable.

Typical uses: Industrial automation & control cabinets, Inverter-fed motor drive systems, Process instrumentation & oil/gas skids, Machine tools & robotic cells, Data centers, stadiums & broadcast facilities

Construction





Cross-section, not to scale

1	2×35 mm² Class 5 Tinned Copper	IEC 60228 Class 5 Flexible Stranded Tinned Copper
2	Cross-Linked Polyolefin (XLPO) Insulation	Ø9.80 mm EI 109 Halogen-Free Cross-Linked Polyolefin
3	80% Coverage Tinned Copper Wire Braid Shield	EN 50264-3-2 MMS 80% Braided EMC Shield
4	Black EN 45545-2 HL3 XLPO Outer Jacket	EM 104 Halogen-Free Cross-Linked Sheath (23.50 mm OD)

Technical data

Typical values

Nominal / reference voltage	0.6/1 kV	Conductor & core insulation	IEC 60228 Class 5 Flexible Stranded Tinned Copper · Ø9.80 mm EI 109 Halogen-Free Cross-Linked Polyolefin
Routine dielectric / continuity test	100% factory drum spark & continuity verified	Operating temperature range	−40…+120 °C
Short-circuit / peak thermal limit	+160 °C to +250 °C (5 s conductor thermal limit)	Flame & fire performance	EN 50264-3-2 MMS / EN 45545-2 HL3
Minimum bending radius	6 × OD	Screening / armour architecture	EN 50264-3-2 MMS 80% Braided EMC Shield
Outer sheath material & colour	EM 104 Halogen-Free Cross-Linked Sheath (23.50 mm OD)	Standards	EN 50264-3-2 / EN 50264-1 / EN 45545-2 HL1–HL3 / IEC 60228 Class 5 / IEC 60754 / IEC 61034

Sizes

3 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

Part designation	Configuration	Conductor & shield	Insulation / wall	Outer sheath	Outer diameter mm	Min. bend radius mm	Max. conductor resistance @ 20 °C Ω/km	Copper weight kg/km	Cable weight kg/km	Key electrical / optical ra
RMM2C35 600/1000V EN 50264-3-2 MMS 3 sizes										
☐ RMM2C35 EN 50264-3-2 2×35 mm² MMS	2 × 35 mm² (EN 50264-3-2 0.6/1 kV M)	IEC 60228 Class 5 Tinned Cu + EI 109 + 80% TCWB + EM 104	Ø9.80 mm EI 109 Halogen-Free Cross-Linked Polyolefin	LSZH Jacket	23.5	141	0.56	742.0	985	0.6/1 kV AC / 0.9/1.5 kV I
☐ RMM2C16 EN 50264-3-2 2×16 mm² MMS	2 × 16 mm² (EN 50264-3-2 0.6/1 kV M)	IEC 60228 Class 5 Tinned Cu + EI 109 + 80% TCWB + EM 104	Ø9.80 mm EI 109 Halogen-Free Cross-Linked Polyolefin	LSZH Jacket	16.8	101	1.24	358.0	495	0.6/1 kV AC / 0.9/1.5 kV I
☐ RMM2C25 EN 50264-3-2 2×25 mm² MMS	2 × 25 mm² (EN 50264-3-2 0.6/1 kV M)	IEC 60228 Class 5 Tinned Cu + EI 109 + 80% TCWB + EM 104	Ø9.80 mm EI 109 Halogen-Free Cross-Linked Polyolefin	LSZH Jacket	20.1	121	0.80	545.0	725	0.6/1 kV AC / 0.9/1.5 kV I

– Dimensions and weights are nominal manufacturing targets subject to standard production tolerances.

Standards and approvals

- ✓ EN 50264-3-2 MMS / EN 45545-2 HL3 Compliant
- ✓ EN 10204 3.1 Factory Test Certificate
- ✓ CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone **+86 185 9591 3361**

Email **info@tebaoflex.com**

Web **tebaoflex.com/cables/rmm2c35-en-50264-3-2-600-1000v-2x35mm2-mms-rolling-stock-power-cable**

Typical values for this cable type, based on Reference specification per EN 50264-3-2 MMS / EN 45545-2 HL3 (RMM2C35 600/1000V EN 50264-3-2 MMS). Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.