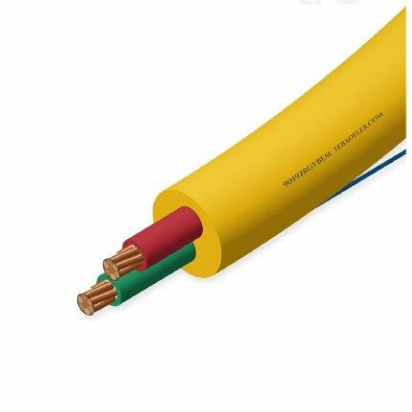
AS/NZS 3808 mining shotfiring & detonator cable

90592RGYBEM

AS/NZS 3808 Mining Shotfiring Cable

AS/NZS 3808 / AS/NZS 1125 · 300/500 V · Striped mining shotfiring & detonator cable



AS/NZS 3808 | 2 × 1.5 mm² V90HT | Yellow/Blue Striped

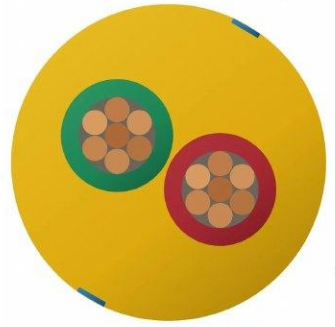
Application

90592RGYBEM high-visibility underground mining shotfiring and detonator firing cable to AS/NZS 3808 and AS/NZS 1125, with 2 × 1.5 mm² annealed copper conductors, Red/Green V90HT PVC insulation and yellow/blue-striped V90HT PVC sheath.

Typical uses: Underground Coal & Hard-Rock Mining, Open-Cast Excavators, Draglines & Shovels, Vertical Mine Shafts, Hoists & Boreholes, Tunneling, Mineral Processing & Slurry Plants

Construction





Cross-section, not to scale

1. Stranded Conductors (2×1.5 mm²)
2. V90HT PVC Core Insulation
3. Yellow/Blue-Striped Outer Sheath

Technical data

Typical values

Rated voltage / transmission duty	300/500 V (AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079)
Primary dielectric / buffering	V90HT PVC Core Insulation — 0.7 mm wall Red & Green V90HT PVC primary insulation per AS/NZS 3808
Short-circuit / peak thermal rating	Verified thermal stability per AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079
Outer protection / armouring	Yellow/Blue-Striped Outer Sheath — 1.3 mm heavy-duty yellow V90HT PVC sheath with co-extruded blue stripes
Crush, impact & abrasion duty	Heavy-duty mining rock-cut, impact and tensile protection per AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079
Mine water, oil & chemical resistance	Resistant to acidic mine water, hydraulic oils and abrasion per AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079
Standards	AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079
Core / conductor construction	Stranded Conductors (2×1.5 mm²) — 7/0.50 mm plain annealed copper conductors per AS/NZS 1125 (≤13.6 Ω/km)
Continuous operating temperature	-15 to +105 °C (mining & industrial service)
Storage & transport temperature	−40…+80 °C on export wooden/steel drum
Minimum bending radius	8 × OD
Flame retardancy & mine fire safety	Self-extinguishing / flame-retardant mining jacket per AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079
RoHS & REACH compliance	RoHS 2 (2011/65/EU + 2015/863) & REACH SVHC compliant

Sizes

3 standard constructions

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

Order designation	Configuration	Core / stranding	Outer Ø ≈ mm	Net weight ≈ kg/km	Tensile rating kN ≈	Min. bend R mm
90592RGYBEM Construction Schedule (-15 to +105 °C) 3 sizes						
☐ **90592RGYBEM 2×1.5 mm² Standard**	2 × 1.5 mm² (7/0.50)	7/0.50 mm plain Cu	8.4	92	0.5	68
☐ **90592RGYBEM 2×2.5 mm² Heavy Trunk**	2 × 2.5 mm² (7/0.67)	7/0.67 mm plain Cu	9.8	135	0.8	78
☐ **90592RGYBEM 2×4.0 mm² Main Firing Bus**	2 × 4.0 mm² (7/0.85)	7/0.85 mm plain Cu	11.4	195	1.2	92

– Custom core cross-sections, pair/fibre counts, armour grades and factory drum lengths available per AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079.

Electrical, optical & thermal parameters

3 sizes

Configuration	Max. DC R_{20} / Atten. Ω/km or dB/km	Rating / Impedance	Operating temp.
2 × 1.5 mm² (7/0.50)	13.60	27.2 Ω/km loop resistance	-15 to +105 °C
2 × 2.5 mm² (7/0.67)	7.41	14.8 Ω/km loop resistance	-15 to +105 °C
2 × 4.0 mm² (7/0.85)	4.61	9.22 Ω/km loop resistance	-15 to +105 °C

– Every production length undergoes routine conductor DC resistance, high-voltage Spark/AC dielectric or OTDR continuity and dimensional verification.

Standards and approvals

- AS/NZS 3808 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/90592rgybem-as-nzs-3808-striped-mining-shotfiring-detonator-cable

Typical values for this cable type, based on AS/NZS 3808 / AS/NZS 1125 / AS/NZS 60079. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.