

AEROSUSA

Cable Protection Solutions for the Transit Industry



"Unsurpassed in Cable Protection and Strain Relief"





New Product Innovations



RQMR-MOVE

- Moveable Insert for RQM CLamp
- Dynamic applications
- Strain Relief for High Mechanical Stress



RQK-GW-PA

- 2 Pc Repair Sleeve
- Retrofitting
- Self Locking Screws
- Use with Fine or Coarse Conduits
- IP 68 / 69K - TPE Insert



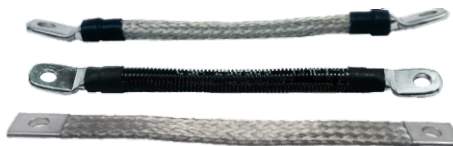
ADMF

- Fire Protection Element
- Barrier for Feed Through Cables
- 30 min Rating
- Lining Expands @ 150°C
- -40°C...+600°C^+850°C
- EN 45545-3: E30



Specialized Cable Glands and Inserts

- For all Critical Applications
- Standard, EMC and EX Glands
- Exceeds EN 45545-3: E30
- ASTM 1354, NFPA 130 Approved
- IP 68 / 69K



Custom Ground Straps

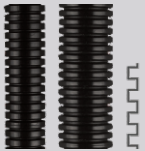
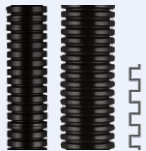
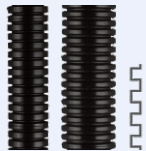
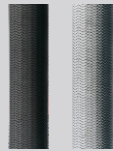
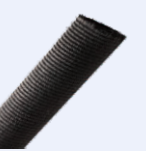
- 99.9% Pure Copper
- Maximum Conductivity
- Lower Resistance
- Maximum 3000A
- Made in USA



Cable Entry Systems

- Fire Blocking Barrier
- Frames, Inserts, Plugs
- Highly Adaptable
- Can be Installed Pre or Post Construction
- Additional Cables Can be Inserted Anytime
- Resistant to:
 - UV, Ozone, Acid, Sea Water, Corrosion
- EN 45545-3: E30
- -40°C...+100°C
- IP 65

Protective Conduits / Braiding / Sleeves

PA 6 Medium Wall General Applications Static Applications  10 - 95 mm / 1/4 - 4" -40°C...+120°C^+150°C VØ [UL 94]	PA 6D Heavy Wall Crush Resistance High Impact Applications  10 - 54.5 mm / 1/4 - 2" -40°C...+120°C^+150°C VØ [UL 94]	PA 12 Medium Wall Highly Flexible, Outdoor Dynamic Applications  10 - 54.5 mm / 1/4 - 2" -50°C...+100°C^+130°C V2 [UL 94]	PA 12D Heavy Wall Outdoor Dynamic Applications  10 - 54.5 mm / 1/4 - 2" -50°C...+100°C^+130°C V2 [UL 94]
HG - CU Wire Braiding Copper EMC Applications  NW / ID 6 - 35 mm	FLEXAgraft - CU - AS Wire Braiding Copper EMC, ATEX Applications  OD 14 - 56 mm	SPR - PA Galvanized Steel PA Jacketed ASTM E 162 / 662  OD 10 - 56 mm -50°C...+120°C^+150°C	SPR - PU - F Galvanized Steel PU Jacketed Flame Retardant  OD 10 - 56 mm -50°C...+100°C^+130°C
HG - PET022 Wire Braiding PET .22, self extinguishing Cable Bundling  NW / ID 4 - 50 mm	BSXC Braiding 304 Stainless Rust & Flame Proof  ID .125" - 1.5" N/A Melting Pt. 1,454°C	ABB Braiding, Poly Impact, Cut Resistant SAEJ369  ID .375" - 1" -40°C...+150°C Melting Pt. 250°C	FSFR Polyethylene Sleeve Flame Retardant DIN EN 45545-2 HL2  ID .125" - 3.0" -70°C...+125°C Melting Pt. 250°C
HWS Polyester Wrap Self - Closing DIN EN 45545 HL2  ID .1875" - 1.5" -70°C...+125°C Melting Pt. 250°C	DFP Heavy Duty Nylon Sleeve Construction Grade Smooth Inner Wall  ID .75" - 4" -45°C...+120°C Melting Pt. 210°C	ALFW Fiberglass Wrap Reflective Aluminum Adhesive Strip  ID .25" - 2" -60°C...+255°C Melting Pt. 1,120°C	FLEXAhightemp Calcium Silicate Braiding Silicone Jacketed Fire Protection  NW / ID 10 - 60 -50°C...+350°C^+700°C

Connectors / Fittings

-40°C...+120°C IP 68 / 69K

RQG  Threads: N / M / P / C OD: 10.0 - 54.5 mm	RQ GK  Threads NPB: M / P OD: 10.0 - 54.5 mm	RQ GKZ  w / Strain Relief Threads NPB: M / P OD: 10.0 - 54.5 mm	RQ GKZE  w / Strain Relief, EMC Threads NPB: M / P OD: 13.0 - 54.5 mm	RGE  EMC Threads NPB: M OD: 10.0 - 56 mm
RQG2  Threads: N / M / P / C / U OD: 10.0 - 54.5 mm	RQ GK2  Threads NPB: M / P OD: 10.0 - 54.5 mm	RQB90  Threads : N / M / P OD: 10.0 - 54.5 mm	RQ BK90  Threads NPB: N / M / P OD: 10.0 - 54.5 mm	RQ BK90DR  Turnable Threads NPB: M OD: 10.0 - 54.5 mm
RQW  Threads: N / M / P / C OD: 10.0 - 54.5 mm	RQB45  Threads: N / M / P OD: 10.0 - 54.5 mm	RQ BK45  Threads NPB: M / P OD: 10.0 - 54.5 mm	RQ BK45DR  Turnable Threads NPB: M OD: 21.2 - 42.5 mm	RQK-PA  Coupler Threads NPB: M OD: 10.0 - 54.5 mm
RQT-PA  OD: 15.8 - 54.5 mm	RQY-PA  OD: 13.0 - 54.5 mm	RQGR  Reducer OD: 10.0 - 54.5 mm	RQA  Terminal Sleeve OD: 10.0 - 54.5 mm	RQE  End Cap OD: 10.0 - 54.5 mm
RQM  Heavy Duty Clamp OD: 15.8 - 54.5 mm	RQMR  Reducer / Conduit or Cable OD: 15.8 - 34.5 mm	RQPRO  Abrasion Protector OD: 21.2 - 54.5 mm	RQHG  Two Piece Clamp OD: 10.0 - 54.5 mm	RQS  One Piece Clamp OD: 10.0 - 54.5 mm
FS  Fire Stop Cable Gland NPB: N / M / P -50°C...+105°C ASTM E1354: 2016 NFPA 130: 2017 EN45545-3	EMC Rapid  EMI / RFI Protection NPB: M / P -40°C...+100°C EX e II 	MS HT  High Temperature NPB: M / P -40°C...+200°C	ADMF  Fire Protection Closure NPB: M -40°C...+600°C^+850°C EN 60423 EN45545-3:E30 DIN EN 60204	PBF  Pressure Balance NPB: M / P -40°C...+110°C

The Technology

AerosUSA supplies a wide range of products manufactured by European Companies designed specifically for the transit industry. We are proud to offer:

FLEXA GmbH's protective conduit systems: Designed and manufactured for applications where reliable mechanical protective and excellent fire protection properties are a major requirement. They are fire retardant, free of halogens, and contain minimum pollutants thus meeting the strict requirements of European and International Standards. Their products are certified as per the latest European Standard EN45545 Part 2 and Part 3.

Agro's cable glands and specialized accessories: Progress® metallic cable glands offer a comprehensive range of standard and EMC glands for almost any application. They are the only manufacturer whose cable glands are certified for rolling stock applications, according to EN45545. These cable glands satisfy the very high demands of fire resistance class E30.

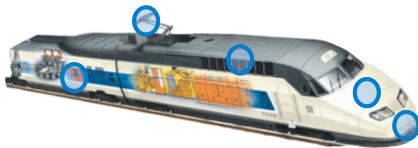
Certifications: European - EN 45545 (AL2, AL3)
German DIN 5510 Part 2
Italian UNI CEI 11170
British BS 6853:1999,
French NFF16-101, 102

Approvals



Applications

Railway



Inside the Vehicle

- Cockpit
- Engine & Components
- Interior Cabling
- Doors & Equipment
- Lighting
- Communications
- Multimedia / Wi-Fi

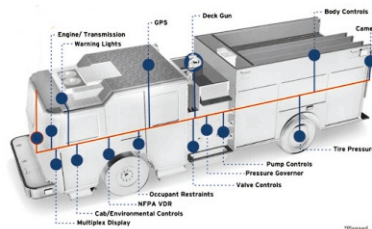
Outside the Vehicle

- HVAC
- Converters
- Braking Systems
- Traction Control
- Coupling Systems
- Bogies

Trackside

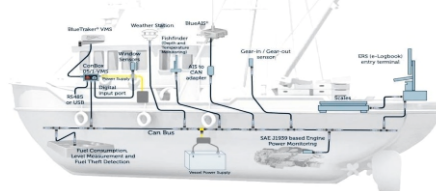
- Vision Systems
- Fare Collection Equipment
- Track Switches & Heaters
- Signaling & Train Control
- Bungalows
- Track Inspection Systems

Specialized Vehicles



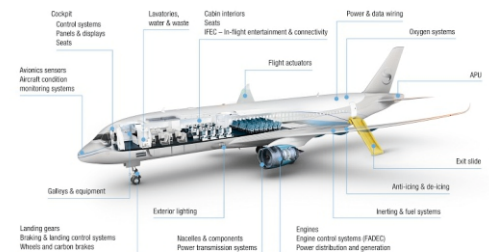
- Warning Lights
- Communication Systems
- Environmental Controls
- GPS Systems
- Generators / APUs
- Circuit Protection
- Protection / Weapon Systems

Marine



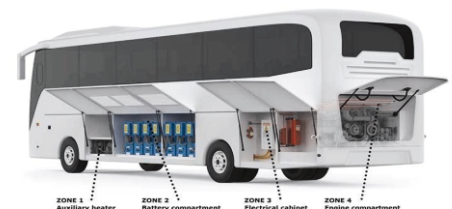
- Distribution Panels
- Engine Compartment
- Battery Compartment
- Circuit Protection
- Generators / APUs
- Dockside Protection
- Security Systems

Aeronautical



- Lighting Systems
- Communication Systems
- Mechanical Protection
- Navigation Systems
- Generators / APUs
- Conduit Assemblies
- UAV / Drones
- Field Lighting

Hybrid Vehicles



- Aux Heater & AC
- Engine Compartment
- Battery Compartment
- Electrical Cabinet

Consult our website aerosusa.com for full product details and specifications



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