



Expertise that puts you on the right track. **LAPP.**

Solutions for railway technology

Based on decades of experience as a complete supplier of electrical connection solutions, LAPP has systematically expanded and enhanced its portfolio and knowledge in the railway technology sector. With its ÖLFLEX® TRAIN, UNITRONIC® TRAIN and ETHERLINE® TRAIN product lines, LAPP offers its customers throughout the world reliable solutions that do not compromise on safety, quality or functionality and comply with the highest national and international norms and standards.

PRODUCT INFO

The special material properties combined with the cross-linking technology make ÖLFLEX® TRAIN cables exceptionally resistant to mechanical influences in a broad temperature range from -45 to +120 °C, and also resistant to oils, alkalis and UV. In addition to use in rail vehicles, they are therefore suitable for use in many other industries for outdoor applications and in harsh ambient conditions.

The benefits to you:

- Own electron beam cross-linking facility and IRIS / TS 22163 certification at the Lapp Korea LLC production site
- Cable types comply with EN and other standards
- LAPP test centre
- Range includes more than 500 Train cable types and 850 matching accessories
- Extensive experience in the rolling stock market
- High warehouse availability from manufacturer
- Small minimum order quantities and packaging
- One-stop shop for cables, connectors, cable glands, cable protection, marking systems and accessories
- Worldwide service from LAPP

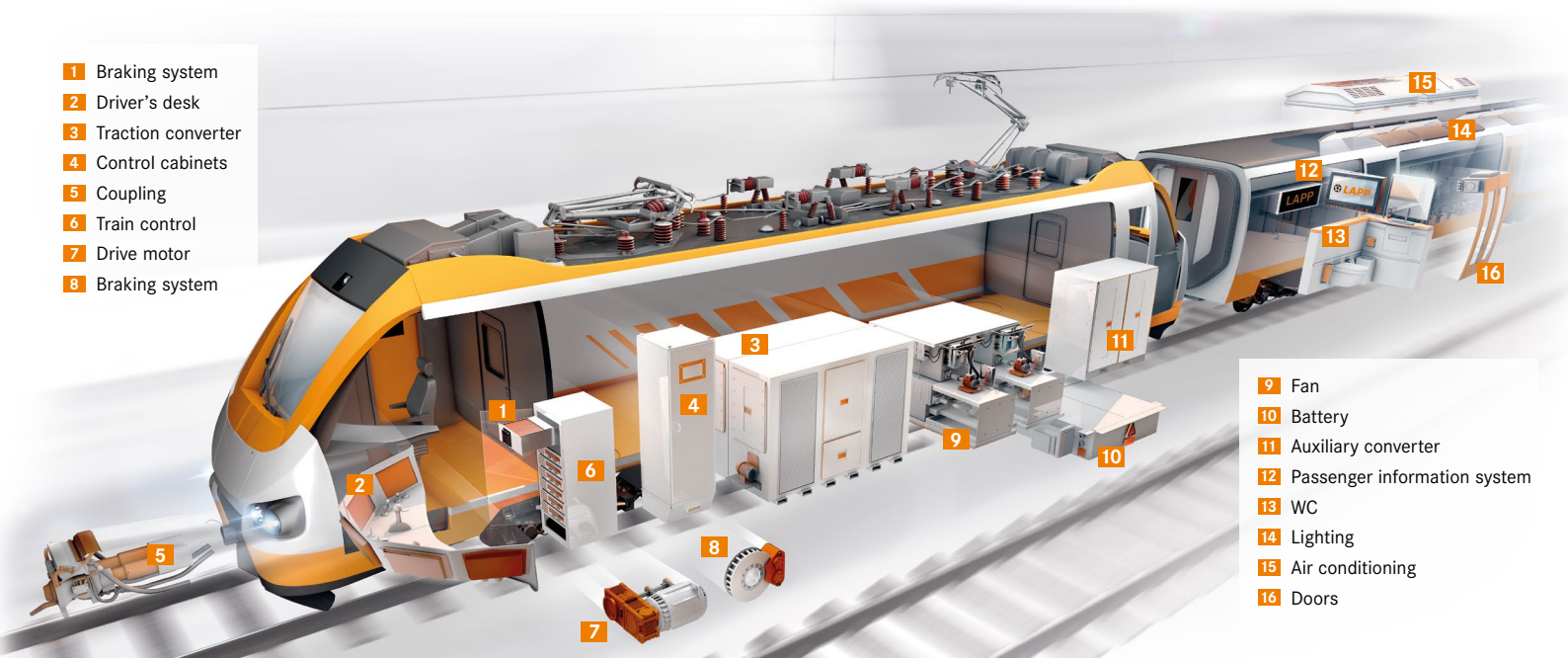


Find out more:
www.lappkabel.de/static/rollingstock/train.html



U.I. Lapp GmbH
Schulze-Delitzsch-Straße 25 · 70565 Stuttgart
Tel.: 0711 7838-01 · Fax: 0711 7838-2640
www.lappkabel.de · info@lappkabel.de

- 1 Braking system
- 2 Driver's desk
- 3 Traction converter
- 4 Control cabinets
- 5 Coupling
- 6 Train control
- 7 Drive motor
- 8 Braking system



- 9 Fan
- 10 Battery
- 11 Auxiliary converter
- 12 Passenger information system
- 13 WC
- 14 Lighting
- 15 Air conditioning
- 16 Doors

Overview of railway technology products

	Cables EN 45545	Connectors	Cable glands	Cable protection and marking systems
EN 50306	ÖLFLEX® TRAIN 301 TW 300V EN 50306-2 M		SKINTOP® ST-HF-M	SILVYN® COMPACT M
	TRAIN 310 TW-P 300V EN 50306-4 1P MM			
	TRAIN 315 C TW-P 300V EN 50306-4 2P MM S		EPIC® H-BE 6/10/16/24 Crimp termination	
	TRAIN 317 C TW-P 300V EN 50306-4 1P MM S			
	TRAIN 320 TW-E 300V EN 50306-4 1E MM			
	TRAIN 325 C TW-E 300V EN 50306-4 2E MM S			
EN 50264	ÖLFLEX® TRAIN 331 600V		SKINTOP® GMP-HF-M	SILVYN® FCE-M
	TRAIN 340 600V			
	ÖLFLEX® TRAIN 345 C 600V		EPIC® HB-E 6/10/16/24 Push-in termination	FIPOCK® ONE M
	TRAIN 350 300V			FIPOCK® PA6/PA12
	ÖLFLEX® TRAIN 355 C 300V			
	ÖLFLEX® TRAIN 361 1,8 kV			
EN 50382	ÖLFLEX® TRAIN 371 1,8 kV		SKINTOP® MS-HF-M	SILVYN® HFX-V0/SILVYN® FCE-V0 SILVYN® ZHLS/SILVYN® FCE-LFH
	ÖLFLEX® TRAIN 381 3,6 kV			Tube cable lugs KRFN
	ÖLFLEX® TRAIN HT 150 F 1,8 kV 0°C		SKINTOP® MS-HF-M SC	TY-RAP® Railway
	ÖLFLEX® TRAIN HT 150 F 3,6 kV 0°C		EPIC® H-BS 6/12	SILVYN® HIPROJACKET AMG
	ÖLFLEX® TRAIN HT 150 FF 1,8 kV 0°C			
	ÖLFLEX® TRAIN HT 150 FF 3,6 kV 0°C			
	ÖLFLEX® CLASSIC 110 H SF		SKINTOP® MS-HF-M BRUSH	FLEXIMARK® Stainless steel FCC marking
	ÖLFLEX® CLASSIC 115 CH SF			FLEXIMARK® Perforated shrink hose
	ÖLFLEX® CLASSIC 115 CH SF (TP)			
	UNITRONIC® TRAIN		EPIC® MH Modular System	Basic Tie cable ties
	ETHERLINE® TRAIN		SKINTOP® MS-HF-M GRIP	SILVYN® HIPROJACKET/HIPROSILTAPE

Other train cables available.