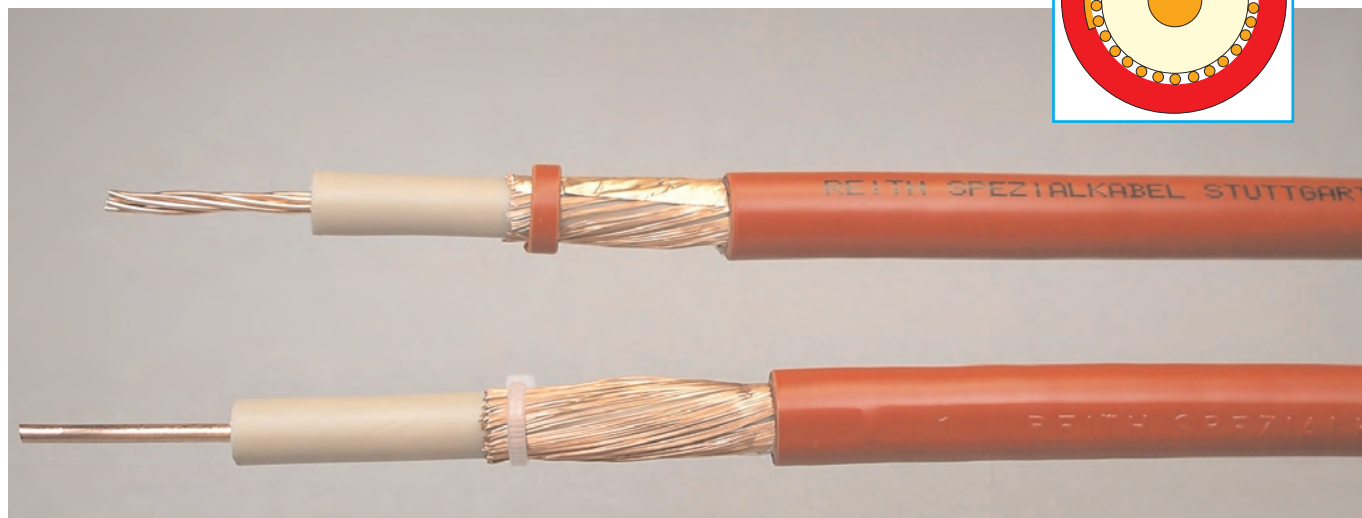
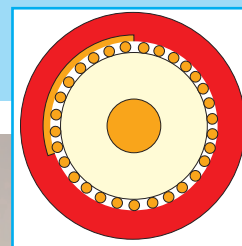


Airfield Lighting Cable according to the VDE 0271 / EN 50213 specification

FLYCY


Airfield Lighting Cable FLYCY

Application

Medium-voltage cable, for use in the primary circuits of airfield lighting systems. For the connection between transformers and current regulator in series circuits.

- ⊙ **Special insulation with high insulation resistance. Manufactured according VDE 0271 and EN 50213.**
- ⊙ **Low ohmic concentric screen with good covering grade for reduced radio interference.**
- ⊙ **Highly resistant to runway and wing de-icers, acids and alkalis, oil and temporary influence of fuel.**
- ⊙ **Good resistant against weather, ozone, microbes and the typical chemicals on the airfield.**
- ⊙ **Flame retardant acc. to IEC 332 part 1.**

Field of use:

For fixed laying, in inhouse or outdoor applications, in wet or dry pipesystems, in earth.

Jacketsignation:

Type, date of manufacturing, meter marking.

Technical table

Test voltage	6/10 kV
Min. bending radius	15 x \varnothing
Temperature rating	
for operation	-60 bis +70°C
for installation	-5 bis +50°C

Construction

Copper conductor	Solid or stranded wire according to the VDE 0295/HD 383 specification
Wire insulation	PVC, according to the DIN VDE 207 Teil 4 /IEC 502 specification
Screen	Concentric conductor of copper wires, alternatively with copper tape helix
Outer jacket	PVC, reinforced, according to the VDE 0207/IEC 502 specification

FLYCY

conductor/screen mm ² mm ²	voltage U ₀ /U	jacket color	outside \varnothing mm	weight kg/km	copper weight kg/km	ordering number
1 x 6 re 2,5	1/2 kV	black	12	220	102	901012
1 x 6 rm 2,5	1/2 kV	black	12	230	102	901013
1 x 6 re 2,5	1,5/3 kV	red	12-13	240	102	901021
1 x 6 rm 2,5	1,5/3 kV	red	13	240	102	901022
1 x 6 re 4,0	2,5/5 kV	red	13-14	250	114	901031
1 x 6 rm 4,0	2,5/5 kV	red	14	250	114	901032
1 x 6 re 4,0	3,6/6 kV	red	14-15	320	114	901041
1 x 6 rm 4,0	3,6/6 kV	red	15	340	114	901042
1 x 6 re 6,0	5/10 kV	red	16-17	360	126	901056
1 x 10 rm 6,0	5/10 kV	red	17	390	160	901120
1 x 16 rm 6,0	3/6 kV	red	15	465	220	901140

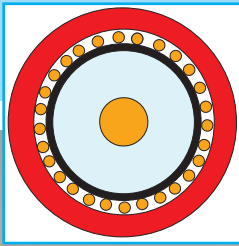
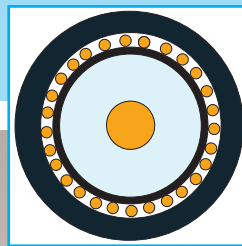
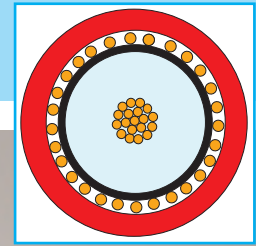
FL1

Special features

Reinforced jacket.
High insulation resistance, mechanical and chemical resistant.

Airfield Lighting Cable 5 kV Interstate Aviation Committee Certificate Nr. 375*

adapted to VDE 0276/ 0277/ EN 50213


901B55*

901B56*

901B57

FL2
Special features:

High dielectric strength, mechanical and chemical resistant.

Application

Medium-voltage cable, for use in the primary circuits of airfield lighting systems. For the connection between transformers and current regulator in series circuits.

- ⊙ **Special PE-insulation with high dielectric strength. Insulation resistance > 5 GOHMxkm.**
- ⊙ **Low ohmic concentric screen with good covering grade for reduced radio interference.**
- ⊙ **Highly resistant to runway and wing de-icers, acids and alkalis, oil and temporary influence of fuel.**
- ⊙ **Good resistant against weather, ozone, microbes and the typical chemicals on the airfield.**

Field of use:

For fixed laying, in inhouse or outdoor applications, in wet or dry pipesystems, in earth.

Jacketsignation:

Type, date of manufacturing, meter marking

Technical table

Voltage	U ₀ /U = 5/10 kVolt
Test voltage	10 kVolt
Min. bending radius:	
for operation	15 x D
one bending cycle	10 x D
Temperature range:	
for installation	-20 bis +50 °C
for operation	-60 bis +70 °C
Coretemperature	max. 80°C

Construction	Art.-Code 901B55	Art.-Code 901B56	Art.-Code 901B57
Core	solid bare copper 2,7mm	solid bare copper 2,7mm	stranded copper 19x0,6mm
Insulation	PE, resistance > 5 GOHM	PE, resistance > 5 GOHM	PE, resistance > 5 GOHM
Semi-conducting	Tape	Tape	Tape
Shielding	concentric fine Cu-wires	concentric fine Cu-wires	concentric fine Cu-wires
Sheath	Polyethylene (PE), red	Polyethylene (PE), black	Polyethylene (PE), red

Art.-Code 901B55

Core	Core-resistance	Shielding	Shielding-resistance	Sheathcolor	Outer ø	Weight	Copper content
n x mm ²	OHM/km, 20°C	mm ²	OHM/km		mm	kg/km	kg/km
1 x 6RE/4	< 3,08 OHM/km	>4	>4,61	red	12	210	114

Art.-Code 901B56

Core	Core-resistance	Shielding	Shielding-resistance	Sheathcolor	Outer ø	Weight	Copper content
n x mm ²	OHM/km, 20°C	mm ²	OHM/km		mm	kg/km	kg/km
1 x 6RE/4	< 3,08 OHM/km	>4	>4,61	black	12	210	114

Art.-Code 901B57

Core	Core-resistance	Shielding	Shielding-resistance	Sheathcolor	Outer ø	Weight	Copper content
n x mm ²	OHM/km, 20°C	mm ²	OHM/km		mm	kg/km	kg/km
1 x 6RV/4	< 3,08 OHM/km	>4	>4,61	red	12	210	114