

Conductoare electrice pentru domeniul feroviar

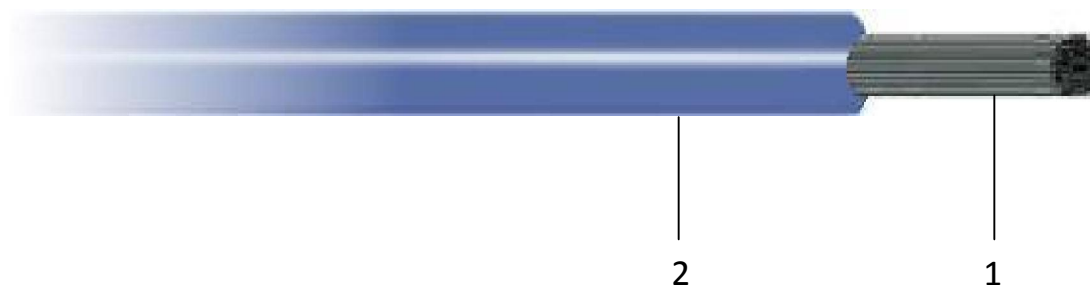
Railway insulated conductor

Standard	Aprobari / Approvals	Ambalare / Packaging	
ST 133 ; UIC 895OR	Certificat de omologare tehnica feroviara Nr 325/2008, AFER Buc Railway Technical Approval Certificate No. 325/2008, AFER Buc Romania	Tambur/ drum	

CARACTERISTICI		CHARACTERISTICS	
Utilizare: Cablurile sunt utilizate la locomotive diesel si aparataj electric. Clasa de risc a conductorului izolat este 1B conf OMT 290/2000		Applicability : Locomotives and electric appliances Cables are 1B grade risk according to OMT 290/2000.	
Tensiune nominala	750 V	Rated voltage	750V
Tensiune de incercare	2000 V c.a, 50 Hz, timp de 15 minute in apa	Test voltage	2000 V ac ,15 min in water
Temperatura minima de instalare pe cablu	-5°C	The minim temperature of de cable during installation	-5°C
Temperatura maxima de lucru	+105°C	Max. permissible operating temperature	+105°C
Temperatura maxima de scurt-circuit	+160°C (max 5 sec)	Max. short-circuit temperature	+160°C (max 5 sec)
Temperatura de utilizare normala	-40°C ÷ +105°C	Normal operational temperature range	-40°C ÷ +105°C
Temperatura minima de montaj	-5°C	Temperature during installation	-5°C
Conductor de cupru stanat	Conductor multifilar flexibil, cl.5 conf. SR EN 60228	Tinned copper conductor	Flexible conductor, cl.5 according to SR EN 60228
Izolatie	PVC 105°C	Insulation	PVC 105°C
Raza minima de curbura la instalare	Min. 6 x diametrul cablului	Min. bending radius at installation	Min. 6 x cable diameter
Forta maxima de tractiune la pozare	Max 50 N/mm ²	Max. tensile strain during installation	Max 50 N/mm ²
Culoare izolatie	albastru	Insulation colour	blue

Sectiunea nominala a conductorului <i>Conductor's nominal cross-section</i>	Diametru max al sarmei de cupru <i>Wire max. diameter</i>	Grosime nominala izolatie <i>Insulation nominal thickness</i>	Diametru exterior nominal <i>Outer nominal diameter</i>	Rezistenta electrica, max la 20°C <i>Max. resistance at 20°C</i>
mm ²	mm	mm	mm	Ω/km
0.75	0.21	0.6	2.4	24.7
1	0.21	0.6	2.5	18.5
1.5	0.26	0.7	3.0	12.7
2.5	0.26	0.8	3.7	7.6
4	0.31	0.8	4.2	4.71
6	0.31	0.8	4.7	3.14
10	0.41	1.0	6.8	1.82
16	0.41	1.0	7.9	1.16
25	0.41	1.2	9.7	0.743
35	0.41	1.2	11.2	0.527
50	0.41	1.4	13.4	0.368
70	0.51	1.4	15.4	0.259
95	0.51	1.6	17.7	0.196
120	0.51	1.6	19.6	0.153
150	0.51	1.8	20.0	0.123
185	0.51	2.0	23.0	0.101

Forma constructiva a conductorului



1	Conductor flexibil din cupru	1	Flexible copper conductor
2	Conductor izolat	2	Insulated conductor