

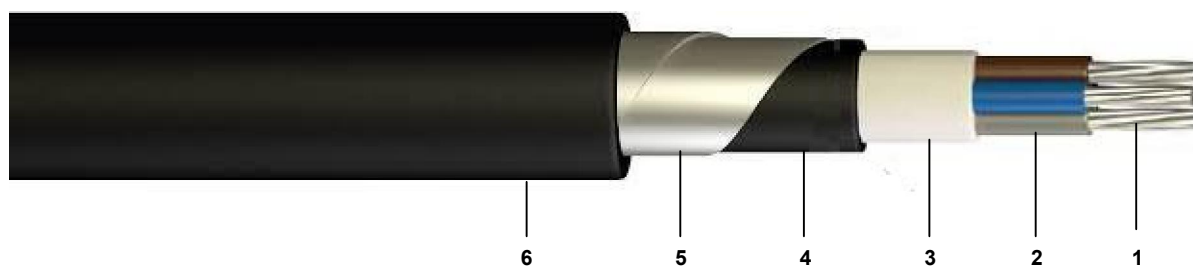
Standard	Aprobari /Approvals	Ambalare / Packaging
SR HD 604 S1; IEC 60502-1, ST 139 Rev 2: 2016	Certificat de omologare tehnica feroviara Nr.121, 122 / 2017, AFER Buc Railway Technical Approval Certificate No 121,122 / 2017, AFER Buc Romania	Tambur/ drum

CARACTERISTICI		CHARACTERISTICS		
Utilizare: Cabluurile sunt destinate pentru instalatii electrice fixe in centrale electrice, in cladiri publice, gari, aerogari, statii de metrou, supermarketuri, sali de spectacole, spitale etc. La ardere cabluurile nu degaja gaze toxice sau corozive si au emisie redusa de fum. Cabluurile se pot instala in locuri umede, dar nu direct in apa sau in pamant		Applicability : The cables are designed for fixed wirings in power stations, public buildings, train stations, airports, underground stations, supermarkets, concert / theater halls, hospitals etc. The cables do not release toxic or corrosive fumes during combustions and have low smoke emission. The cables can be laid in wet environments, but not directly in the water or under the earth.		
Tensiune nominala U ₀ /U	0.6/1 kV	Rated voltage U ₀ /U	0.6/ 1 kV	
Tensiune de incercare	3.5 kV ca sau 8.4 kV cc, 5 min, 50 Hz	Test voltage	3.5 kV ac or 8.4 kV dc, 5 min, 50 Hz	
Rezistivitatea de volum specifica, min.	la 20 °C - 10 ¹⁵ la 90°C - 10 ¹²	Volume resistivity at , min	la 20 °C-10 ¹⁵ la 90°C-10 ¹²	
Constanta rezistentei de izolatie	90 °C: min 3.67 MΩ*km	Insulation resistance constant at	90 °C: min 3.67 MΩ*km	
Temperatura minima de instalare	-5°C	Cable min. temperature during installation	-5°C	
Temperatura maxima de lucru	+90°C	Max.permmissible operating temperature	+90°C	
Temperatura maxima de scurt-circuit	+250°C (max 5 sec)	Max. short-circuit temperature	+250°C (max 5 sec)	
Temperatura de utilizare normala	-30°C ++90°C	Normal operational temperature range	-30°C + +90°C	
Temperatura minima de montaj	-5°C	Temperature during installation	-5°C	
Temperatura masurata pe manta	-10°C ++90°C	Temperature measured on the sheath	-10°C + +90°C	
Conformitate RoHS	Da	RoHS compliancy	Yes	
Conformitate REACH	Da	REACH compliancy	Yes	
Conductor de aluminiu	Conductor unifilar (ru), conductor multifilar (rm) sau sector-multifilar (sm), conf. SR EN 60228	Alluminium conductor	Solid conductor (ru), concentrically stranded conductor (rm) or sector-shaped (sm), according to SR EN 60228	
Izolatie	Polietilena reticulata (XLPE)	Insulation	Crosslinked polyethylene (XLPE)	
Umplutura	Material plastic fara halogeni	Filling	Halogen-free compound	
Manta interna	Poliolefina fara halogen, tip HM4	Inner bedding	Halogen free polyolefine, HM4 type	
Armatura	Benzi de otel laminate la rece	Armor	Cold rolled steel tape	
Manta exterioara	Poliolefina fara halogen, tip HM4 Cabluurile sunt cu intarziere marita la propagarea flacarii conf. SR EN 60332-3-24/ cat C Corozivitatea gazelor de ardere conf. SR EN 60754-2 * pH ≥ 4.3 * Conductivitatea ≤ 10 μS/mm Densitatea fumului, conf SR EN 61034-1 Permeabilitatea luminii: ≥ (50-70) %	Outer sheath	Halogen free polyolefin, HM4 type. The cables are extra flame retardant according to EN 60332-3-24/ Category C Corrosivity of gases evolved according SR EN 60754-2 * pH ≥ 4.3 * Conductivity: ≤ 10 μS/mm Smoke density according SR EN 61034-1 Light permeability: ≥ (50-70) %	
Marcaj pe manta	SC ELECTROPLAST SA, simbol cablu, tensiune de lucru, luna, an de fabricatie, marcaj de lungime Exemplu de marcaj: NA2XBH 4x2.5 mm ² 0.6/1 kV ELECTROPLAST SA 00/0000 0000	Sheath marking	SC ELECTROPLAST SA, cable symbol, operational voltage, months, manufacture year, length mark. Example: NA2XBH 4x2.5 mm ² 0.6/1 kV ELECTROPLAST SA 00/0000 0000	
Raza minima de curbura la instalare	Min. 12 x diametrul cablului	Min. bending radius at installation	Min. 12 x cable diameter	
Forta maxima de tractiune la pozare	30 N/mm ²	Max. tensile strain during installation	30 N/mm ²	
Cod de culori conf SR HD 308 S2 (nr. de conductoare)	1	negru / galben-verde	1	black /yellow-green
	2	albastru, maro / galben-verde, negru, pt sect >10mm ²	2	blue, brown yellow-green, black for sect>10 mm ²
	3	maro, negru, gri / galben-verde, albastru, maro	3	brown, black, grey yellow-green, blue, brown
	4	albastru, maro, negru, gri / galben-verde, maro, negru, gri	4	blue, brown, black, grey yellow-green, brown, black, grey
	5	albastru, maro, negru, gri, negru / galben-verde, albastru, maro, negru, gri	5	blue, brown, black, grey, black yellow-green, blue, brown, black, grey

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatia <i>Radial insulation thickness</i> mm	Grosime radiala manta <i>Radial sheath thickness</i> mm	Diametru exterior <i>Outer diameter</i> mm	Rezistenta electrica, maxima la 20°C <i>Max. resistance at 20°C</i> Ω/km
1x35	rm	0.9	1.8	15.4	0.868
1x50	rm	1.0	1.8	16.7	0.641
1x70	rm	1.1	1.8	18.6	0.443
1x95	rm	1.1	1.8	21.6	0.320
1x120	rm	1.2	1.8	22.9	0.253
1x150	rm	1.4	1.8	24.7	0.206
1x185	rm	1.6	1.8	27.7	0.164
1x240	rm	1.7	1.8	29.5	0.125
1x300	rm	1.8	1.8	31.3	0.100
2x4	re	0.7	1.8	14.3	-
2x6	re	0.7	1.8	15.3	-
2x10	re	0.7	1.8	16.8	3.08
2x16	re	0.7	1.8	18.6	1.91
2x25	rm	0.9	1.8	22.5	1.20
2x35	rm	0.9	1.8	24.5	0.868
3x4	re	0.7	1.8	14.7	-
3x6	re	0.7	1.8	15.7	-
3x10	re	0.7	1.8	17.3	3.08
3x16	re	0.7	1.8	19.2	1.91
3x16+10	re/re	0.7/0.7	1.8	20.5	1.91/3.08
3x25	rm	0.9	1.8	23.3	1.20
3x25+16	rm/re	0.9/0.7	1.8	24.6	1.20/1.91

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatie <i>Radial insulation thickness</i> mm	Grosime radiala manta <i>Radial sheath thickness</i> mm	Diametru exterior <i>Outer diameter</i> mm	Rezistenta electrica, maxima la 20°C <i>Max. resistance at 20°C</i> Ω/km
3x35	rm	0.9	1.8	25.4	0.868
3x35+16	rm/re	0.9/0.7	1.8	26.4	0.868/ 1.91
3x50	sm	1.0	1.8	27.2	0.641
3x50+25	sm/rm	1.0/0.9	1.8	27.2	0.641/1.20
3x70	rm	1.1	2.0	31.9	0.443
3x70+35	sm/rm	1.1/0.9	1.9	30.6	0.443/0.868
3x95	rm	1.1	2.0	33.9	0.320
3x95+50	sm/sm	1.1/1.0	2.0	34.2	0.320/0.641
3x120	rm	1.2	2.2	37.9	0.253
3x120+70	sm/sm	1.2/1.1	2.1	38.4	0.253/0.443
3x150	rm	1.4	2.3	41.9	0.206
3x150+70	sm/sm	1.4/1.1	2.3	42.6	0.206/0.443
3x185	rm	1.6	2.4	45.7	0.164
3x185+95	sm/sm	1.6/1.1	2.3	42.3	0.164/0.320
3x240	sm	1.7	2.5	50.7	0.125
3x240+120	sm/sm	1.7/1.2	2.7	56.9	0.125/0.253
4x4	re	0.7	1.8	15.8	-
4x6	re	0.7	1.8	17.0	-
4x10	re	0.7	1.8	18.9	3.08
4x16	re	0.7	1.8	21.0	1.91
4x25	rm	0.9	1.8	25.8	1.20
4x35	rm	0.9	1.9	28.4	0.868

Tipodimensiune cablu <i>Cable size</i>	Tip conductor <i>Cond. type</i>	Grosime radiala izolatii <i>Radial insulation thickness</i> mm	Grosime radiala manta <i>Radial sheath thickness</i> mm	Diametru exterior <i>Outer diameter</i> mm	Rezistenta electrica, maxima la 20°C <i>Max. resistance at 20°C</i> Ω/km
4x50	sm	1.0	1.9	29.8	0.641
4x70	sm	1.1	2.0	33.9	0.443
4x95	sm	1.1	2.1	38.4	0.320
4x120	sm	1.2	2.3	42.0	0.253
4x150	sm	1.4	2.4	46.1	0.206
4x185	sm	1.6	2.5	50.4	0.164
4x240	sm	1.7	2.7	56.8	0.125
5x4	re	0.7	1.8	16.8	-
5x6	re	0.7	1.8	18.2	-
5x10	re	0.7	1.8	20.2	3.08
5x16	re	0.7	1.8	22.6	1.91
5x25	rm	0.9	1.9	28.1	1.20
5x35	rm	0.9	1.9	30.8	0.868

Forma constructiva:


1	Conductoare rotunde unifilare (ru), rotund- multifilare (rm) sau sector-multifilare (sm) din cupru	1	Solid conductor (ru), concentrically stranded conductor (rm) or sector-shaped (sm) copper conductors.
2	Conductoare izolate	2	Insulated conductors
3	Invelis comun extrudat sau din benzi	3	Filler
4	Manta interna	4	Inner sheath
5	Armatura din benzi de otel	5	Steel tape armor
6	Manta externa	6	Outer sheath