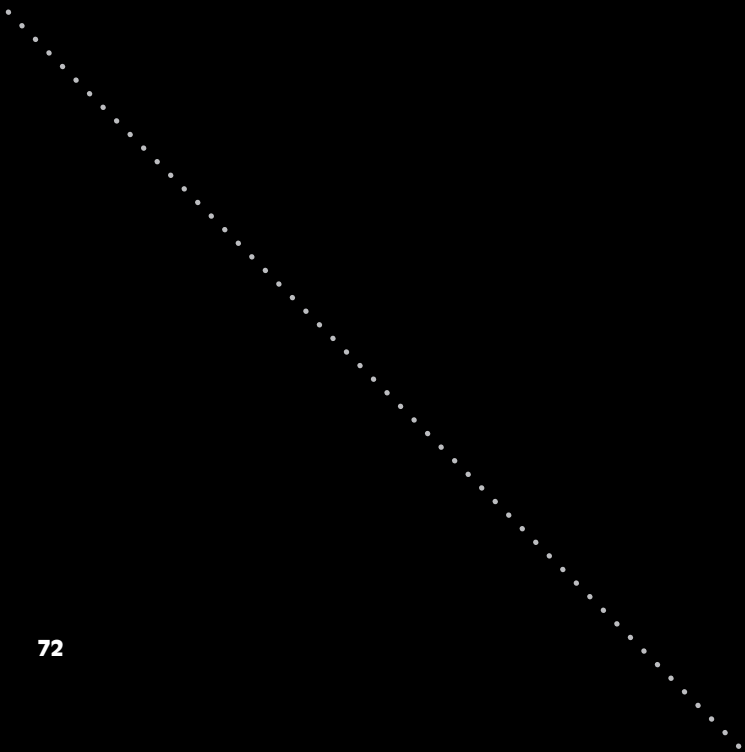


02

Mass Transit Cables



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Single and multicore signalling PVC cables for RFI installations

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item and colour
R0101	1x0,60	1,75	804/915 black
R0102	1x0,93	2,05	804/916 black
R0103	21x0,60	11,0	804/917 grey
R0104	7x0,93	8,0	804/918 grey
R0105	13x0,93	10,5	804/919 grey
R0106	21x0,93	13,0	804/920 grey
R0107	21x0,93	13,0	804/921 green
R0108	3x2,5	8,8	804/922 red
R0109	10x2,5	14,2	804/923 red
R0110	10x4	16,5	804/924 red

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item and colour
R0111	1x16	1,75	804/236 red
R0112	1x16	2,05	804/237 yellow
R0113	20x1	13,0	804/247 grey

CONSTRUCTION ACCORDING TO IS400

Conductor: bare copper conductor

Insulation: PVC compound at high insulation resistance rated 105°C

Sheath: PVC compound type R₂ according to CEI 20-11

Marking: no marking required

Fire safety: CEI EN 60332-1-2

CONSTRUCTION ACCORDING TO CEI-UNEL

SINGLE CORE:

Conductor: special bare copper conductor according to class 5 CEI EN 60228 construction (7x18x0,41)

Insulation: PVC compound type TI2 according to CEI EN 50525

Marking:

UNIKA (Italy) - cat.804/236 - H07V-K 1x16 IEMMEQU <HAR> - "traceability code" - CE

UNIKA (Italy) - cat.804/237 - 07V-K 1x16 - "traceability code" - CE

MULTICORE:

Conductor: bare copper conductor according to class 5 CEI EN 60228

Insulation: PVC compound type TI2 according to CEI EN 50525

Sheath: PVC compound type TM2 according to CEI EN 50525

Marking: UNIKA (Italy) - cat.804/247 - 05VV-F 20x1 300/500V - "traceability code" - CE

Fire safety: CEI EN 60332-1-2

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TDS 00/2025

Multicore signalling halogen-free cables for outdoor installations according to RFI specifications

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item
R0401	2x1	12,7	804/302
R0402	4x1	14,0	804/304
R0403	6x1	16,6	804/306
R0404	8x1	17,5	804/308
R0405	12x1	20,5	804/312
R0406	16x1	22,6	804/316
R0407	30x1	28,1	804/330
R0408	2x2,5	15,3	804/348
R0409	4x2,5	17,0	804/350
R0410	1x4	11,2	804/352
R0411	2x4	16,2	804/354
R0412	3x4	17,0	804/356
R0413	3x6	18,2	804/360
R0414	3x10	21,8	804/359
R0415	3x16	24,5	804/361
R0416	4x1,5	15,2	804/334
R0417	8x1,5	19,5	804/338
R0418	16x1,5	27,0	804/344

CONSTRUCTION ACCORDING TO IS409 ED. 1988

Conductor: tinned copper conductor according to CEI EN 60228. Class 1 for cross-sections 1, 2,5, 4 and 6 mm². Class 2 for cross-sections 10 and 16 mm². Class 6 for cross-section 1,5 mm².

Insulation: halogen free compound type G10 according to CEI 20-11
Inner sheath: halogen free compound type G10 according to CEI 20-11

Sheath: halogen free compound type M2 according to CEI 20-11, colour black

Marking: UNIKA(Italy) – "RFI item" – "cond. number"x"cross-section"– EFSAT – year – "traceability code" – "meter marking"

Rated voltage: 450/750 V

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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TDS 00/2025

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item
R0420	4x1	14,0	804/510
R0421	8x1	17,5	804/512
R0422	16x1	22,6	804/514
R0423	2x2,5	15,3	804/516
R0424	4x2,5	17,0	804/518
R0425	2x4	16,2	804/520
R0426	3x4	17,0	804/522
R0427	2x6	17,4	804/524
R0429	3x6	18,2	804/526
R0430	3x10	21,8	804/528
R0431	3x16	24,5	804/530
R0432	3x25	28,2	804/532
R0433	4x1,5	15,2	804/534
R0434	8x1,5	19,5	804/536
R0435	16x1,5	27,0	804/538

CONSTRUCTION ACCORDING TO IS409 REV. C – NON ARMoured TYPES

Conductor: tinned copper conductor according to CEI EN 60228. Class 1 for cross-sections 1, 2,5, 4 and 6 mm². Class 2 for cross-sections 10, 16 and 25 mm². Class 6 for cross-section 1,5 mm².

Insulation: halogen free compound type G10 according to CEI 20-11

Bedding: halogen free compound type G10 according to CEI 20-11

Sheath: halogen free compound type M2 according to CEI 20-11, colour black

Marking: UNIKA(Italy) – “RFI item” – “cond. number”x”cross-section”– EFSAT – year – “traceability code” – “meter marking”

Rated voltage: 450/750 V

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item
R0440	4x1	19,0	804/511
R0441	8x1	22,5	804/513
R0442	16x1	27,0	804/515
R0443	2x2,5	20,3	804/517
R0444	4x2,5	23,0	804/519
R0445	2x4	21,2	804/521
R0446	3x4	23,0	804/523
R0447	2x6	22,4	804/525
R0448	3x6	23,2	804/527
R0449	3x10	26,8	804/529
R0450	3x16	29,5	804/531
R0451	3x25	33,0	804/533
R0452	4x1,5	20,2	804/535
R0453	8x1,5	24,5	804/537
R0454	16x1,5	33,0	804/539

CONSTRUCTION ACCORDING TO IS409 REV. C – ARMoured TYPES

Conductor: tinned copper conductor according to CEI EN 60228. Class 1 for cross-sections 1, 2,5, 4 and 6 mm². Class 2 for cross-sections 10, 16 and 25 mm². Class 6 for cross-section 1,5 mm².

Insulation: halogen free compound type G10 according to CEI 20-11

Bedding: halogen free compound type G10 according to CEI 20-11

Inner sheath: halogen free compound type M2 according to CEI 20-11, colour black

Armour: double steel tape

Sheath: halogen free compound type M1 according to CEI 20-11, colour black

Marking: UNIKA(Italy) – “RFI item” – “cond. number” “x” “cross-section” – EFSAT – year – “traceability code” – “meter marking”

Rated voltage: 450/750 V

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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Single and multicore signalling halogen-free cables for internal installations according to RFI specifications

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item and colour
R0201	1x0,60	2,3	804/268 black
R0202	1x0,93	2,5	804/269 black
R0203	1x2,5	3,8	804/270 black
R0204	1x4	4,3	804/271 black
R0205	21x0,60	13,9	804/272 grey
R0206	7x0,93	9,7	804/273 grey
R0207	13x0,93	13,0	804/274 grey
R0208	21x0,93	15,5	804/275 grey
R0209	21x0,93	15,5	804/276 green
R0210	3x2,5	9,8	804/277 red
R0211	10x2,5	17,3	804/278 red
R0212	10x4	19,6	804/279 red

CONSTRUCTION ACCORDING TO IS412

Conductor: bare copper conductor according to class 5 CEI EN 60228

Insulation: halogen free compound type G9 for single core and type G10 for multicore according to CEI 20-11

Sheath: halogen free compound type M1 according to CEI 20-11

Marking: UNIKA(Italy) –“RFI item”–EF-SATxx

(xx: last two digit of production year)

Rated voltage:

Cross-sections 2,5 and 4 mm² 450/750 V

Cross-sections 0,6 and 0,93 mm² 300/500 V

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item and colour
R0601	1x0,5	2,8	804/250 black
R0602	1x1	3,2	804/251 black
R0603	1x1,5	3,5	804/252 black
R0604	1x2,5	4,2	804/254 black
R0605	1x4	4,8	804/256 black
R0606	1x6	6,3	804/258 black
R0607	5x0,5	10,0	804/260 black
R0608	12x0,5	13,0	804/262 black
R0609	20x0,5	16,0	804/264 black
R0610	20x1	18,0	804/266 black

CONSTRUCTION ACCORDING TO IS411

Conductor: tinned copper conductor according to class 5 CEI EN 60228

Insulation: halogen free compound type G9 for single core or G10 for multicore according to CEI 20-11

Sheath: halogen free compound type M1 according to CEI 20-11

Marking: UNIKA(Italy) – “RFI item” – EF-SATxx
(xx: last two digit of production year)

Rated voltage:
single core 450/750 V
multi core 300/500 V

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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Single and multicore, halogen-free power cables for outdoor installations according to RFI specifications

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item
R0501	1x10	12,6	803/250
R0502	1x16	14,0	803/251
R0503	1x25	15,7	803/252
R0504	1x35	20,3	803/253
R0505	1x70	22,6	803/254
R0506	1x95	25,2	803/255
R0507	1x120	27,9	803/256
R0508	1x150	30,1	803/257
R0509	2x6	17,6	803/258
R0510	2x10	19,7	803/259
R0511	2x16	22,2	803/260
R0512	2x25	26,6	803/261
R0513	3x2,5	15,2	803/262
R0514	3x10	22,0	803/263
R0515	3x16	24,2	803/264
R0516	3x25	27,9	803/265
R0517	3x35	30,4	803/266
R0518	3x50	33,6	803/267
R0519	3x95	43,1	803/268
R0520	3x120	46,9	803/269
R0521	3x150	51,8	803/270
R0522	4x2,5	17,1	803/271
R0523	4x4	18,5	803/272
R0524	4x6	20,5	803/273
R0525	4x25	30,3	803/274
R0526	3x35 + 25	32,5	803/275
R0527	3x50 + 25	36,0	803/276

CONSTRUCTION ACCORDING TO TE 652 AND CEI 20-38

Conductor: tinned copper conductor according to CEI EN 60228. Class 5 for cross-sections up to 10 mm² in multicore cables. Class 5 for all single core cables. Class 2 for cross-sections from 16 mm² in multicore core cables

Insulation: halogen free compound type G10 according to CEI 20-11

Sheath: halogen free compound type M1 according to CEI 20-11, colour black

Marking: UNIKA(Italy) – "RFI item" – EFSAT – year

Rated voltage: 0,6/1 kV

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37

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Single and multicore, halogen-free, fire resistant, power cables for outdoor installations according to RFI specifications

Item n°	Cross-section [mm²]	Maximum diameter [mm]	RFI item
R0301	1x1,5	6,4	803/200
R0302	1x2,5	7,0	803/201
R0303	1x4	7,4	803/202
R0304	1x6	9,0	803/203
R0305	1x10	10,0	803/204
R0306	1x16	10,5	803/205
R0307	1x25	12,5	803/206
R0308	1x35	14,0	803/207
R0309	1x50	16,0	803/208
R0310	2x1,5	12,0	803/209
R0311	2x2,5	13,0	803/210
R0312	2x4	14,0	803/211
R0313	2x6	16,0	803/212
R0314	2x10	18,5	803/213
R0315	2x16	19,5	803/214
R0316	2x25	23,5	803/215
R0317	3x1,5	13,0	803/216
R0318	3x2,5	14,0	803/217
R0319	3x4	15,0	803/218
R0320	3x6	17,0	803/219
R0321	3x10	20,0	803/220
R0322	3x16	21,5	803/221
R0323	3x25	25,0	803/222
R0324	4x1,5	14,0	803/223
R0325	4x2,5	15,0	803/224
R0326	4x4	16,5	803/225
R0327	4x6	19,0	803/226
R0328	4x10	22,0	803/227
R0329	4x16	23,5	803/228
R0330	4x25	27,5	803/229

CONSTRUCTION ACCORDING TO TE 653 AND CEI 20-45

Conductor: tinned copper conductor according to CEI EN 60228 class 5

Insulation: mica tape(s) and halogen free compound type G10 according to CEI 20-11

Sheath: halogen free compound type M1 according to CEI 20-11, colour blue

Marking: UNIKA(Italy) – “RFI item” – EF-SATRF – year

Rated voltage: 0,6/1 kV

Fire safety: CEI EN 60332-1-2, CEI EN 60332-3-24, CEI 20-37, EN 50200

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