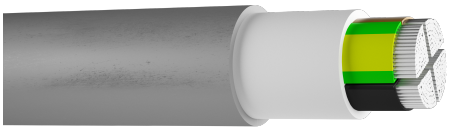
E-AYY 0,6/1 kV - Low voltage PVC insulated and sheathed power cables



Application

Outdoor application; protected from solar radiation. Direct buried, in trench or in ducts.

Global data

Standard	E 8200-603
Type designation	E-AYY

Design features

Conductor	Aluminium conductor
Insulation	PVC insulation
Outer sheath	PVC outersheath
Available colours	Black
Marking	E-AYY-O 4 x 150 SM 0,6/1 kV

Electrical parameters

Rated voltage	0.6/1 kV (600/1000V)
Test voltage (AC)	4 kV

Chemical parameters

Performance against fire	EN 60332-1
UV resistant	Yes
Lead Free	Yes

Thermal parameters

Max. operating temperature of conductor	70 °C
Max. operating temperature of the conductor	90 °C
Max. operating temperature of conductor at short-circuit	160 °C (≤ 300 mm2); 140 °C (300 mm2 <)
Minimum installation temperature	-5 °C

Mechanical parameters

Bending radii min.	15 x D single core cables, 12 x D multi core cables

Prysmian MKM Magyar Kábel Művek Kft. H-1117 Budapest, Neumann J. 1/E

Technical data, dimensions and weights are subject to change.
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Number of cores x cross section	Outer diameter nom. mm	Weight (approx.) kg/km	Delivery length m
1x25RM	12	175	1000
1x35RM	13	220	1000
1x50RM	15	330	1000
1x120RM	21	650	1000
1x150RM	23	780	1000
1x185RM	25	930	1000
1x240RM	28	1170	1000
1x300RM	31	1440	1000
3x120SM	35	1820	1000
3x150SM	39	2080	1000
3x185SM	43	2760	1000
3x240SM	49	3540	1000
3x150SM+70SM	43	2350	1000
3x185SM+95SM	50	3100	1000
3x240SM+120SM	56	4200	1000
3x300SM	55	4220	1000
4x25RM	25	1030	1000
4x35SM	25	850	1000
4x50SM	28	1160	1000
4x70SM	32	1490	1000
4x95SM	37	1930	1000
4x120SM	41	2380	1000
4x150SM	44	2930	1000
4x185SM	51	3720	1000
4x240SM	56	4550	1000
4x25RE	24	980	1000
4x35RE	27	1090	1000
4x50SE	28	1060	1000
4x70SE	33	1380	1000
4x95SE	37	1830	1000
4x120SE	41	2200	1000
4x150SE	44	2640	1000

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