

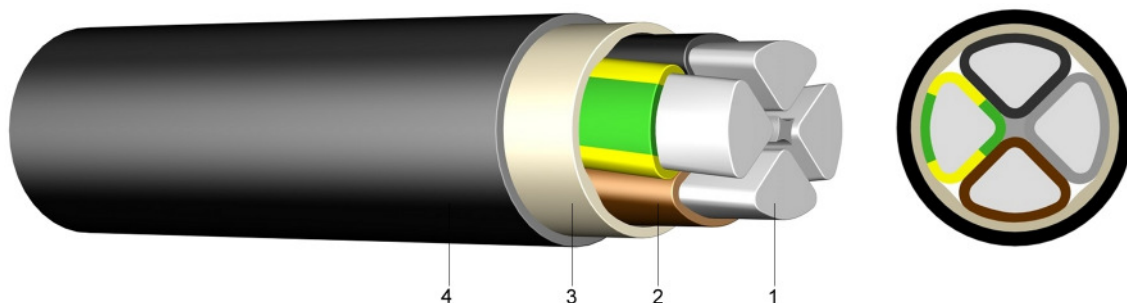
Datasheet E-AY2Y

Version 1/2009

PVC Insulated Cable with Aluminium Conductor and PE Outer Sheath

Application:

This power cable is suitable for fixed installations in cable ducts outdoors, in water or underground if no mechanical damage is to be expected.



Construction:

- 1 solid (RE/SE) or stranded (RM/SM) aluminium wire
- 2 core insulation of polyvinylchloride (PVC)
- 3 PVC core covering or taping
- 4 outer sheath of polyethylene (PE), black, Shore-hardness HD 60

According to:

ÖVE K 23 and K 603
HD 603 S1
DIN EN 60228 class 1 and 2 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1000 Volt
Test voltage		[V] _{AC}	4000
Temperature range	in motion fixed		- 5 °C till +70 °C -20 °C till +70 °C
Operating temperature	short circuit	°C	160
Bending radius	single-core style	x diameter	15
	multi-core style	x diameter	12
Short circuit time	max.	[sec]	5

Number of cores and nominal cross section mm ²	Aluminium figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
1 x 120 RM	348	20	525	389	302
3 x 240/120 SM	2.470	55	3.994	364	338
4 x 25 RE	294	24	769	102	82
4 x 50 SE	588	28	1.093	144	119
4 x 95 SE	1.117	37	1.930	215	186
4 x 150 SE	1.764	45	2.822	275	246
4 x 25 RM	294	24	769	102	82
4 x 35 SM	412	25	868	123	100
4 x 50 SM	588	28	1.091	144	119
4 x 95 SM	1.117	37	1.930	215	186
4 x 150 SM	1.764	43	2.449	275	246
4 x 185 SM	2.176	48	3.075	313	285
4 x 240 SM	2.822	57	4.509	364	338