

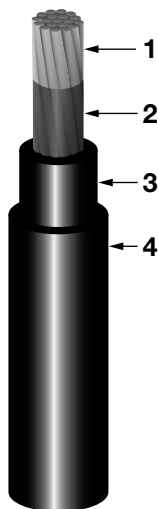
POLYENEX – EN compliant Series – EN50264-3-1 3600V

single
core

Fire Protection Levels

EN45545-2
Int. HL3 / ext.HL3

Standard
EN50264-3-1



- Rated voltage U_0/U
AC 3.6/6.0kV
- Operating temp. range
-40~120°C

Properties

Halogen free, Flame resistance, Low smoke fume, Low toxicity, High chemical resistance, High mechanical properties, Heat/cold resistance, Ozone resistance

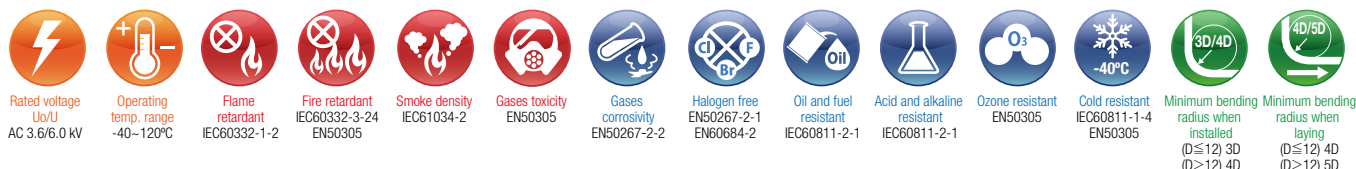
Application

Single core cable that is applied to fixed internal/external wiring for rolling stock (Reference: EN50355:2003 EN50343:2003)

Construction

- 1. CONDUCTOR**
Stranded with tin-coated annealed copper wire
- 2. SEPARATING TAPE**
Add appropriate tape if necessary
- 3. INSULATION**
Crosslinked polyolefin (Inner : white Outer : black)
Type EI107 or EI109 according to EN50264-1
- 4. SHEATH**
Crosslinked polyolefin (black)
Type EM102 or EM104 according to EN50264-1

Cable characteristics



Nominal cross section (mm ²)	Ave. insulation thickness (mm)	Ave. sheath thickness (mm)	Overall diameter (mm)		Max. conductor resistance at 20°C (Ω/km)	Approx. weight (kg/km)
			min	max		
25	2.9	1.0	13.7	16.1	0.795	455
35	2.9	1.0	14.9	17.5	0.565	590
50	2.9	1.0	16.4	19.1	0.393	740
70	2.9	1.0	18.0	21.1	0.277	985
95	2.9	1.0	19.5	22.8	0.210	1230
120	2.9	1.2	21.4	25.1	0.164	1520
150	2.9	1.2	22.9	26.8	0.132	1820
185	3.2	1.2	25.1	29.4	0.108	2200
240	3.4	1.4	28.3	33.1	0.0817	2880
300	3.4	1.4	30.6	35.8	0.0654	3420