

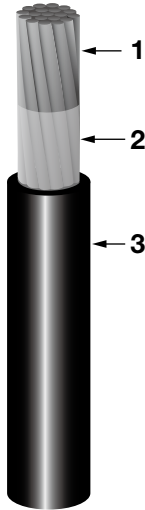
POLYENEX – NFPA compliant Series – C-WFM2

single
core

Fire Protection Levels

EN45545-2
Int. HL3 / ext.HL3

NFPA130



Properties

Flame resistance, Low smoke fume, Low toxicity, Chemical resistance

Application

Single core cable that is applied to fixed internal/external wiring for rolling stock

Construction

1. CONDUCTOR

Stranded with tin-coated annealed copper wire

2. SEPARATING TAPE

Add appropriate tape if necessary

3. INSULATION

Ethylene Tetrafluoro Ethylene (black)

- Rated voltage
AC 1500V
- Operating temp. range
-50~200°C

Cable characteristics



Rated voltage
AC 1500V



Operating
temp. range
-50~200°C



Flame
retardant
IEC60332-1-2



Fire retardant
IEC60332-3-24
EN50305
FT4/IEEE1202



Smoke density
IEC61034-2
FT4/IEEE1202



Gases toxicity
EN50305



Oil resistant
good



Acid and alkaline
resistant
good



Ozone resistant
good



Cold resistant
good
-50°C



Minimum bending
radius when
installed
4D



Minimum bending
radius when
laying
4D

Nominal cross section (mm ²)	Insulation thickness (mm)	Overall diameter (mm)		Max. conductor resistance at 20°C (Ω/km)	Approx. weight (kg/km)
		min	max		
35	1.5	10.9	12.1	0.569	405
50	1.6	12.9	14.3	0.394	570
70	1.6	14.4	16.0	0.286	760
95	1.7	16.5	18.3	0.210	1020
120	1.8	18.5	20.3	0.166	1280
150	2.1	20.9	22.9	0.133	1570
185	2.1	22.7	24.7	0.108	1950
240	2.2	25.6	27.8	0.084	2500