

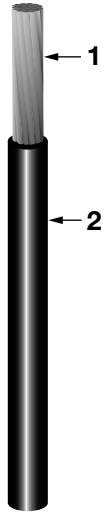
POLYENEX – NFPA compliant Series – N-RFH1

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. INSULATION

Ethylene Tetrafluoro Ethylene (black)

- Rated voltage
AC 600V
- Operating temp. range
-50~150°C

Cable characteristics



Rated voltage
AC 600V



Operating
temp. range
-50~150°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		
1.25	0.5	2.3	2.5	15.5	17
2	0.5	2.7	2.9	9.91	24
3.5	0.5	3.4	3.6	5.38	41