

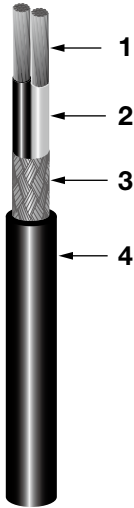
POLYENEX – NFPA compliant Series – WFHF 102S/103S/104S

multi core
screened

Fire Protection Levels

EN45545-2
Int. HL2 / ext.HL3

NFPA130



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

Properties

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

Application

Multi 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,white)

3. SCREEN

Tin-coated annealed copper braid shield

4. SHEATH

Ethylene Tetrafluoro Ethylene (black)

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

No. of cond. x Cross section (mm ²)	Insulation thickness (mm)	Approx. screen thickness (mm)	Sheath thickness (mm)	Overall diameter (mm)		Max. conductor resistance at 20°C (Ω/km)	Approx. weight (kg/km)
				min	max		
2x0.75	0.2	0.3	1.0	5.7	6.7	26.6	65
2x1.25	0.2	0.3	1.0	6.4	7.6	16.0	80
2x2	0.2	0.3	1.0	7.0	8.2	10.2	105
3x0.75	0.2	0.3	1.0	5.8	6.8	26.6	75
3x1.25	0.2	0.3	1.0	6.6	7.8	16.0	100
3x2	0.2	0.3	1.1	7.4	8.6	10.2	135
4x0.75	0.2	0.3	1.0	6.3	7.3	26.6	85
4x1.25	0.2	0.3	1.1	7.4	8.6	16.0	120
4x2	0.2	0.3	1.1	8.0	9.4	10.2	165

* To be released in April 2017.