FIRECEL SR 124 E 30 / E 90

Multipair Overall Screen/Silicone Insulation

JE-H(St)H...Bd - FE180/E30
JE-H(St)H...Bd - FE180/E90

FIRES

VDE-REG F370

APPLICATIONS

Fire resistant communication cables suitable for indoor and outdoor installation, in dry and humid areas.
These cables assure circuit integrity E30-E90 according to DIN 4102-12.
Operating voltage peak value: 225V.

OPERATING TEMPERATURE

Operating: -30/+70 °C
Installation: -5/+50 °C

MINIMUM BENDING RADIUS

7,5 times the outer diameter.

CABLE CONSTRUCTION

Conductors
Solid plain annealed copper. 0.8 mm

Insulation
Silicone rubber (E30 cables)
Silicone rubber + Mica tape (E90 cables)

Overall screen
Aluminium/polyester tape with solid tinned copper drain wire 0,8 mm + glass tape (E30)
Aluminium/polyester tape with solid tinned copper drain wire 0,8 mm (E90)

Outer sheath
LSZH thermoplastic compound

APPLICABLE STANDARDS

Functional resistance in fire
DIN 4102-12
STN 92 0205
CSN 73 0895

Fire resistance
IEC 60331-23

Flame retardant
EN 60332-1-2 / IEC 60332-1-2

Fire retardant
DIN EN IEC 60332-3-24
VDE 0482-332-3-24

Halogen free properties
DIN EN 60754-2
VDE 0482-754-2

Low smoke emission
DIN EN 61034-2
VDE 0482-1034-2

Design
DIN VDE 0815

FE180 / E 30		
N° of pairs x cross-section (mm²)	Nominal diameter mm	Nominal Weight kg/km
1 x 2 x 0.8	6.2	50
2 x 2 x 0.8	9.9	70
4 x 2 x 0.8	10.9	130
8 x 2 x 0.8	16.2	330
12 x 2 x 0.8	17.2	340

FE180 / E 90		
N° of pairs x cross-section (mm²)	Nominal diameter mm	Nominal Weight kg/km
1 x 2 x 0.8	7.1	60
2 x 2 x 0.8	8.1	90
4 x 2 x 0.8	14.1	190
8 x 2 x 0.8	17.0	510
12 x 2 x 0.8	21.9	470