

SERIE FRHRRNS

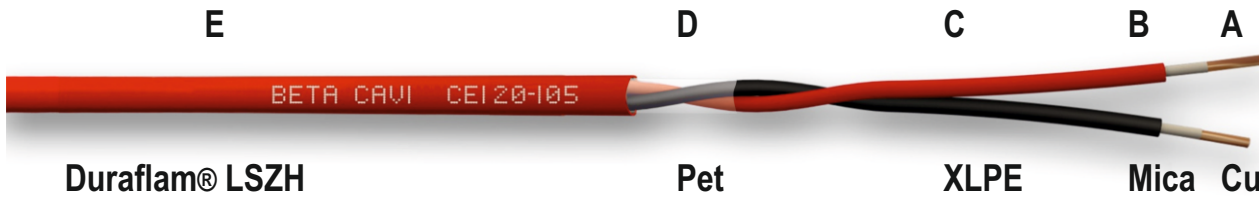
Fire resistant cables

UNI 9795:2013 EN 50200 PH 120 IEC 332.3C

CEI 20-105V1 CEI 60332-3-25



Rev. 12 October 2013



Construction and Dimensions

| | |
|--|-------------|
| | materials |
| A. Conductors : Stranded annealed copper wires | Cu |
| B. Flame protection : Glass tape | Mica |
| C. Insulation : Reticulate polymer | XLPE |
| D. Tape : Mylar polyester tape wrapped around the cores | Pet |
| E. Sheath : DURAFLAM® Low Smoke Zero Halogens | LSZH |

CHART

| Part number | cable core | nominal cross sectional area | overall diameter | weight | DC resistance | Uo/U | Uo |
|--------------|------------|------------------------------|------------------|--------------|---------------|----------|----------|
| | | <i>mm²</i> | <i>mm</i> | <i>kg/Km</i> | <i>Ω/km</i> | <i>V</i> | <i>V</i> |
| FRHRRNS 2050 | 2x0,50 | 0,50 | 6,0 | 44,8 | 37,7 | 100/100 | 400 |
| FRHRRNS 2075 | 2x0,75 | 0,75 | 6,7 | 56,4 | 24,6 | 100/100 | 400 |
| FRHRRNS 2100 | 2x1,00 | 1,00 | 7,3 | 68,1 | 18,9 | 100/100 | 400 |
| FRHRRNS 2150 | 2x1,50 | 1,50 | 8,1 | 87,2 | 13,2 | 100/100 | 400 |
| FRHRRNS 2250 | 2x2,50 | 2,50 | 9,4 | 120,2 | 7,9 | 100/100 | 400 |
| FRHRRNS 4050 | 4x0,50 | 0,50 | 7,2 | 67,4 | 37,7 | 100/100 | 400 |
| FRHRRNS 4075 | 4x0,75 | 0,75 | 8,0 | 86,1 | 24,6 | 100/100 | 400 |
| FRHRRNS 4100 | 4x1,00 | 1,00 | 8,8 | 106,3 | 18,9 | 100/100 | 400 |
| FRHRRNS 4150 | 4x1,50 | 1,50 | 9,8 | 139,2 | 13,2 | 100/100 | 400 |
| FRHRRNS 4250 | 4x2,50 | 1,50 | 11,2 | 202,4 | 7,9 | 100/100 | 400 |

Lay length : ≤ 100 mm

| Capacitance |
|-------------|
| C = 60 pF/m |

| Loop inductance |
|-----------------|
| L = 660 mH/km |

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COAXIAL AND SPECIAL CABLES MANUFACTURING