



**Application:** Tertiary (Horizontal)  
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;  
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

**Standards:** EIA/TIA 568-B.2;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-5  
EN 50173; EN 50288-3-1

**Fire rating**

**PVC:** IEC 60332-1

**LSZH:** IEC 60332-1; IEC 60754-2; IEC 61034;

**LSFRZH:** IEC 60332-3

**Construction**

Conductor	bare copper wire Ø 0.5 mm (AWG24)
Insulation	Polyethylene, Ø 0.9 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Screen	Al-laminated plastic foil and Copper braid, tinned ( coverage > 40% )
Sheath	PVC/LSZH LSFRZH, grey RAL 7035 Duplex sheath: two cables parallel, separable

**Technical Data**

Product code	Designation	Brand name	Outer diameter mm	Tensile force N
R35052	4x2x0.5	R&M freenet Cat.5e 200MHz SF/UTP 4P PVC	6.5	100
R302089 R35053	4x2x0.5	R&M freenet Cat.5e 200MHz SF/UTP 4P LSZH		
R35054	2x(4x2x0.5)	R&M freenet Cat.5 <sup>e</sup> 200MHz SF/UTP 2x4P PVC	6.5/13.6	100
R35055	2x(4x2x0.5)	R&M freenet Cat.5 <sup>e</sup> 200MHz SF/UTP 2x4 LSFRZH		