



Telecom cable | cablu

Nearmat TU2YfsF(L)2Y
Armat TU2YfsF(L)2YAb2Y

T=Telecom cablu (I)U=(Inter) Urban **2Y=izolatie PE**
F=Impuluta cu Gel **L2Y=Manta de Alpet** **Y=Manta PVC**
Ab=Armaturi din benzi de otel **2Y=Manta PE**
fs=Izolatie PE solid/foam

Application | Aplicație

Telecom cables can be installed directly into the ground or in ducts.

Cablurile de telecomunicații pot fi instalate direct în pământ sau în conducte.

Construction	TU2YfsFL2Y
Conductor	copper, solid, 0,9, 1.2 mm soft annealed
Insulation	solid / foam skin PE
quad	four cores uniformly twisted to the quad, colored polyester tape(s) will be applied over the each quads
Twisting	quads twisted in concentric layers
Filling	Cable core will be filled suitable material
Core wrapping	with at least one layer of plastic tape with overlap
Screen	one layers of alum.tape 0.2mm longitudinally applied
Inner Sheath	PE (2Y), black
Wrapping	Polyester tape with helically applied
Armouring	two layers of galvanized steel tape nom 0.3 mm helically wrapped
Outer Sheath	PE (2Y), black
Marking	in one line one time per meter, "Romcablu TI2YfsFL2YAb2Y (Ne)x4x(d) , z / m / y "

Construcția	TU2YfsFL2Y
Conductor	din cupru, solid, 0,9, 1,2 mm recoapte moale
Izolare	Solidă / Piele spumă PE
Quad	patru miezuri răsucite uniform pe quad, benzile de poliester colorate vor fi aplicate peste fiecare quad
Răsucire	quads twisted in concentric layers
Umplere	Miezul cablului va fi umplut cu material adecvat
Miez. cablului	cu cel puțin un strat de bandă de plastic cu suprapunere
Ecran	un strat de bandă de alu, de 0,2 mm aplicat longitudinal
Manta interioara	PE (2Y), negru
Impachetarea	Bandă din poliester cu aplicare elicoidală
Armura	Două straturi de bandă din otel zincat nom. 0,3 mm înfășurată elicoidal
Manta exteriora	PE (2Y), negru
Marcarea	într-un rând o dată pe metru, "Romcablu TI2YfsFL2YAb2Y (Ne)x4x(d) , z / m / y "

Electrical Properties at 20°C ± 5°C | Proprietăți electrice la 20°C ± 5°C

Conductor diameter Diametrul conductorului	mm	0,9	1,2
Electric resistance of a pair (Rezistența electrică a unei perechi) 20°C	Ω	57	32
Insulation resistance at max. at (Rezistență de izolație la max. la) 20°C	MΩ/km	10000	
Testing Voltage between Testarea tensiunii între			
The Lead sheath and Conductors (Teaca de plumb și conductorii)	V	2000	
One conductot and all the other connected together (Unul conductot și toate celelalte conectate între ele)	V	500	
Rated working capacitance at (Capacitate nominală de lucru la) 800 Hz & at 20°C	nf/km	38,5	26,5
Atenuation factor at maximum at (Factor de atenuare la maxim) 20°C			
At 0,80kHz	mNp/km	75	
At 120kHz	mNp/km	240	
At 240kHz	mNp/km	350	
Working Voltage Maximum (Tensiune de lucru maximă)	V	250	

Mechanical and Thermal Properties | Proprietăți mecanice și termice

Admissible bending radius | Raza de îndoire admisibilă ≥ 15 x outer cable diameter
 Temperature range | Interv: during operation | în timpul funcționării - 40 °C to + 70 °C
 during installation | în timpul instalării - 10 °C to + 50 °C

TU2YfsF(L)2Y n x 4 x 0,9					
Cable size	Outer Ø (mm)	Cab.kg/km	Inner sheath	Outer sheath	Standard mt.
1x4x0,9mm	10,0	135	2,0	2,0	500 / 1000
3x4x0,9mm	14,0	316	2,0	2,0	500 / 1000
4x4x0,9mm	15,0	422,3	2,0	2,0	500 / 1000
5x4x0,9mm	19,0	431	2,0	2,0	500 / 1000
7x4x0,9mm	20,0	508	2,0	2,0	500 / 1000
10x4x0,9mm	22,0	545	2,0	2,0	500
12x4x0,9mm	24,0	590	2,0	2,0	500
14x4x0,9mm	25,0	615	2,0	2,0	500
19x4x0,9mm	27,0	758,5	2,0	2,0	500
20x4x0,9mm	28,0	869	2,0	2,0	500
24x4x0,9mm	30,5	1025	2,0	2,0	500
27x4x0,9mm	32,8	1169	2,0	2,2	500

TU2YfsF(L)2Y n x 4 x 1,2					
Cable size	Outer Ø (mm)	Cab.kg/km	Inner sheath	Outer sheath	Standard mt.
1x4x1,2mm	12,0	142	2,0	2,0	500 / 1000
3x4x1,2mm	18,6	356	2,0	2,0	500 / 1000
4x4x1,2mm	20,5	430	2,0	2,0	500 / 1000
5x4x1,2mm	22,4	496	2,0	2,0	500 / 1000
7x4x1,2mm	24,0	780	2,0	2,0	500
10x4x1,2mm	30,2	961	2,0	2,0	500
12x4x1,2mm	33,0	1020	2,0	2,0	500
14x4x1,2mm	36,0	1200	2,0	2,0	500
19x4x1,2mm	39,0	1480	2,0	2,0	500
20x4x1,2mm	40,0	1193	2,0	2,0	500
24x4x1,2mm	42,0	1357	2,0	2,0	500
27x4x1,2mm	44,0	1517	2,0	2,0	500