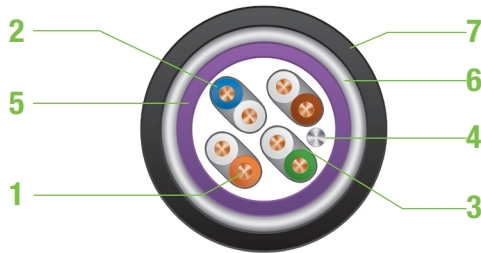
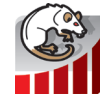




## 5254ARPE

U/FTP CAT6A 4 pairs armored cable 525MHz PE sheath



- 1. **Conductor** : solid bare copper AWG23
- 2. **Insulation** : PE Skin Foam Skin
- 3. **Individual shield** : Aluminum/Polyester foil - coverage 110%
- 4. **Drain wire** : Solid tinned copper
- 5. **Internal sheath** : LSZH - RAL 4001
- 6. **Armor** : Corrugated steel tape
- 5. **Outer sheath** : PE - Black RAL 9005

## DESCRIPTIONS

The 5254ARPE cable is used in full shielded structured cabling system, in case of special configuration. His steel armour and his PE external jacket allows a burried application or outside link in environnement which required a high rodent protection.

Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 525 Mhz.

## APPLICATIONS

Ethernet Base T up to 10Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af /at : PoE and PoE+	

## STANDARDS

<b>CABLE</b>	IEC 61156-5 CAT6a
<b>SYSTEM</b>	ISO / IEC 11801 Ed2.2 Class Ea

## ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	78%



## 5254ARPE

U/FTP CAT6A 4 pairs armored cable 525MHz PE sheath

### ENVIRONMENTAL PROPERTIES

CPR Level	Fca
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter

Compliant to RoHS

### TRANSMISSION PERFORMANCES @20°C

(\* standard : values from IEC 61156-5

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (dB)	
	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value
4	3.8	3.7	66.3	67	63.3	64	55.9	66	52.9	63	23.0	25
10	5.9	5.8	60.3	62	57.3	59	48	63	45	60	25.0	27
16	7.5	7.3	57.2	59	54.2	56	43.9	62	40.9	59	25.0	27
25	9.4	9.2	54.3	56	51.3	53	40	57	37	54	24.3	27
31.25	10.5	10	52.9	55	49.9	52	37.9	52	35.1	49	23.6	25
100	19.1	18.8	45.3	47	42.3	44	28	44	25	41	20.1	22
200	27.6	27	40.8	43	37.8	40	22	35	19	32	18.0	20
250	31.1	30	39.3	42	36.3	39	20	29	17	26	17.3	19
300	34.3	34	38.1	40	35.1	37	18.4	27	15.4	24	17.3	19
400	40.0	39	36.3	38	33.3	35	16	26	13	23	17.3	18
500	45.3	44.8	34.8	37	31.8	34	14	26	11	23	17.3	18
525	NA	45.0	NA	36	NA	33	NA	22	NA	19	NA	17

### ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
5254ARPE	CAT6A ARMORED CABLE U/FTP 4 PAIRS PE JACKET	10.3 mm	DRUM 500M