

ALSECURE® PLUS TEL 100/170V Rf 1h30

ALSECURE® PLUS TEL 100/170V 1Q9/10

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ALSECURE Plus TEL Rf1h30 est un câble téléphonique faradisé 100/170V résistant au feu et non-propagateur de l'incendie avec **maintien de fonction FR2 Rf1h30 selon NBN 713-020 Add.3**. ALSECURE Plus Tel Rf1h30 est spécialement conçu pour les systèmes de sécurité (éclairage de secours, systèmes d'alerte, installations d'incendie...) ... dans les bâtiments accessibles au public tels que salles de concert, théâtres, cinémas, grands magasins, hôpitaux, écoles, mais aussi les gratte-ciels, tunnels et usines. ALSECURE Plus TEL Rf1h30 est également utilisé pour les systèmes de sécurité entre différents bâtiments. De plus, ce câble est sans halogène selon IEC 60754 et non-propagateur de l'incendie F2 selon NBN C 30-004. ALSECURE Plus TEL Rf1h peut être installé à l'intérieur ou à l'extérieur. En installation extérieure, le câble doit être protégé des rayons UV.

DESCRIPTION

Application

Les câbles **ALSECURE® PLUS TEL Rf1h30** sont destinés aux circuits de sécurité incendie (éclairage de sécurité, systèmes d'avertissements, équipements de lutte contre l'incendie, ...) dans les établissements recevant du public (tels que les salles de spectacles, cinémas, grands magasins, hôpitaux, écoles, ...), dans les immeubles de grande hauteur, dans les tunnels, dans l'industrie. Les câbles **ALSECURE® PLUS TEL Rf1h30** trouvent également leur application en tant que liaison entre les CMSI (Centralisateur de Mise en Sécurité incendie) et entre bâtiments.

Les câbles **ALSECURE® PLUS TEL Rf1h30** résistent au feu pendant une heure et demie, sont non-propagateurs de l'incendie (F2) et sans halogènes et dégagent que peu de fumées en cas d'incendie, les gaz émis sont non-corrosifs et de toxicité très réduite (SA et SD & ST).

Pose

Les câbles ALSECURE® PLUS TEL Rf1h30 seront installés en conformité avec la réglementation et la norme d'installation en vigueur. **Ils doivent être protégés des expositions directes au soleil quand ils sont installés à l'extérieur.**

Température de pose: en cas de pose entre 0°C et -10°C, il faut réchauffer les câbles dans un local chauffé pendant au moins 48h avant l'installation.

Comportement au feu

- **Résistant au feu pendant 1h30** selon NBN 713-020 Add 3 **FR2 Rf 1h30**
- **Non-propagateur de l'incendie** selon NBN C30-004 **F2** (NBN EN 60332-1 & NBN EN 60332-3-24)
- **Faible corrosivité: SA** selon NBN C30-004 (IEC 60754-2)
- **Faibles fumées: SD** selon NBN C30-004 (NBN EN 61034-2)
- **Faible toxicité: ST** selon NBN C30-004 (NF X 70-100)

Conducteurs

- Câblage en paires, en quarte pour le 2 paires.

- Identification des paires: blanc & bleu + numéro imprimé de la paire



Tension de service

0,5/1/2/3/5/10/15/20/30/40/50/60/70/80/90/100/110/120/130/140/150/160/170/180/190/200/220/230/240/250/270/280/290/300/310/320/330/340/350/360/380/400/420/440/460/480/500/520/540/560/580/600/630/660/690/720/750/780/810/840/870/900/930/960/990/1000/1050/1100/1150/1200/1250/1300/1350/1400/1450/1500/1550/1600/1650/1700/1750/1800/1850/1900/1950/2000/2050/2100/2150/2200/2250/2300/2350/2400/2450/2500/2550/2600/2650/2700/2750/2800/2850/2900/2950/3000/3050/3100/3150/3200/3250/3300/3350/3400/3450/3500/3550/3600/3650/3700/3750/3800/3850/3900/3950/4000/4050/4100/4150/4200/4250/4300/4350/4400/4450/4500/4550/4600/4650/4700/4750/4800/4850/4900/4950/5000/5050/5100/5150/5200/5250/5300/5350/5400/5450/5500/5550/5600/5650/5700/5750/5800/5850/5900/5950/6000/6050/6100/6150/6200/6250/6300/6350/6400/6450/6500/6550/6600/6650/6700/6750/6800/6850/6900/6950/7000/7050/7100/7150/7200/7250/7300/7350/7400/7450/7500/7550/7600/7650/7700/7750/7800/7850/7900/7950/8000/8050/8100/8150/8200/8250/8300/8350/8400/8450/8500/8550/8600/8650/8700/8750/8800/8850/8900/8950/9000/9050/9100/9150/9200/9250/9300/9350/9400/9450/9500/9550/9600/9650/9700/9750/9800/9850/9900/9950/10000/10050/10100/10150/10200/10250/10300/10350/10400/10450/10500/10550/10600/10650/10700/10750/10800/10850/10900/10950/11000/11050/11100/11150/11200/11250/11300/11350/11400/11450/11500/11550/11600/11650/11700/11750/11800/11850/11900/11950/12000/12050/12100/12150/12200/12250/12300/12350/12400/12450/12500/12550/12600/12650/12700/12750/12800/12850/12900/12950/13000/13050/13100/13150/13200/13250/13300/13350/13400/13450/13500/13550/13600/13650/13700/13750/13800/13850/13900/13950/14000/14050/14100/14150/14200/14250/14300/14350/14400/14450/14500/14550/14600/14650/14700/14750/14800/14850/14900/14950/15000/15050/15100/15150/15200/15250/15300/15350/15400/15450/15500/15550/15600/15650/15700/15750/15800/15850/15900/15950/16000/16050/16100/16150/16200/16250/16300/16350/16400/16450/16500/16550/16600/16650/16700/16750/16800/16850/16900/16950/17000/17050/17100/17150/17200/17250/17300/17350/17400/17450/17500/17550/17600/17650/17700/17750/17800/17850/17900/17950/18000/18050/18100/18150/18200/18250/18300/18350/18400/18450/18500/18550/18600/18650/18700/18750/18800/18850/18900/18950/19000/19050/19100/19150/19200/19250/19300/19350/19400/19450/19500/19550/19600/19650/19700/19750/19800/19850/19900/19950/20000/20050/20100/20150/20200/20250/20300/20350/20400/20450/20500/20550/20600/20650/20700/20750/20800/20850/20900/20950/21000/21050/21100/21150/21200/21250/21300/21350/21400/21450/21500/21550/21600/21650/21700/21750/21800/21850/21900/21950/22000/22050/22100/22150/22200/22250/22300/22350/22400/22450/22500/22550/22600/22650/22700/22750/22800/22850/22900/22950/23000/23050/23100/23150/23200/23250/23300/23350/23400/23450/23500/23550/23600/23650/23700/23750/23800/23850/23900/23950/24000/24050/24100/24150/24200/24250/24300/24350/24400/24450/24500/24550/24600/24650/24700/24750/24800/24850/24900/24950/25000/25050/25100/25150/25200/25250/25300/25350/25400/25450/25500/25550/25600/25650/25700/25750/25800/25850/25900/25950/26000/26050/26100/26150/26200/26250/26300/26350/26400/26450/26500/26550/26600/26650/26700/26750/26800/26850/26900/26950/27000/27050/27100/27150/27200/27250/27300/27350/27400/27450/27500/27550/27600/27650/27700/27750/27800/27850/27900/27950/28000/28050/28100/28150/28200/28250/28300/28350/28400/28450/28500/28550/28600/28650/28700/28750/28800/28850/28900/28950/29000/29050/29100/29150/29200/29250/29300/29350/29400/29450/29500/29550/29600/29650/29700/29750/29800/29850/29900/29950/30000/30050/30100/30150/30200/30250/30300/30350/30400/30450/30500/30550/30600/30650/30700/30750/30800/30850/30900/30950/31000/31050/31100/31150/31200/31250/31300/31350/31400/31450/31500/31550/31600/31650/31700/31750/31800/31850/31900/31950/32000/32050/32100/32150/32200/32250/32300/32350/32400/32450/32500/32550/32600/32650/32700/32750/32800/32850/32900/32950/33000/33050/33100/33150/33200/33250/33300/33350/33400/33450/33500/33550/33600/33650/33700/33750/33800/33850/33900/33950/34000/34050/34100/34150/34200/34250/34300/34350/34400/34450/34500/34550/34600/34650/34700/34750/34800/34850/34900/34950/35000/35050/35100/35150/35200/35250/35300/35350/35400/35450/35500/35550/35600/35650/35700/35750/35800/35850/35900/35950/36000/36050/36100/36150/36200/36250/36300/36350/36400/36450/36500/36550/36600/36650/36700/36750/36800/36850/36900/36950/37000/37050/37100/37150/37200/37250/37300/37350/37400/37450/37500/37550/37600/37650/37700/37750/37800/37850/37900/37950/38000/38050/38100/38150/38200/38250/38300/38350/38400/38450/38500/38550/38600/38650/38700/38750/38800/38850/38900/38950/39000/39050/39100/39150/39200/39250/39300/39350/39400/39450/39500/39550/39600/39650/39700/39750/39800/39850/39900/39950/40000/40050/40100/40150/40200/40250/40300/40350/40400/40450/40500/40550/40600/40650/40700/40750/40800/40850/40900/40950/41000/41050/41100/41150/41200/41250/41300/41350/41400/41450/41500/41550/41600/41650/41700/41750/41800/41850/41900/41950/42000/42050/42100/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CARACTÉRISTIQUES

Caractéristiques de construction

Nature de l'âme	Cuivre nu
Type de conducteur	Solid, Class 1
Isolation	Silicone
Ecran	ALU/PET screening foil
Gaine extérieure	Polyoléfine non halogène
Couleur de la gaine	Orange
Sans halogène	NBN C30-004 ST,SD,SA
Pouvoir calorifique supérieur	443 MJ/km

Caractéristiques dimensionnelles

Diamètre du conducteur (mm)	0,9 mm
Nombre de paires	2
Diamètre extérieur maxi	8,0 mm
Masse approximative	66 kg/km

Caractéristiques électriques

Tension de service nominale Uo/U (Um)	100 / 170 V
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Caractéristiques mécaniques

Flexibilité du câble	Rigide
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Caractéristiques d'utilisation

Conditionnement	Longueur à la coupe
Température ambiante d'utilisation, plage	-20 .. 60 °C
Résistant au feu	NBN 713-020 Add3 Rf 1h30
Non propagateur de l'incendie	NBN C 30-004-F2
Non propagateur de la flamme	NBN C30-004-F1
Température maximale sur l'âme en service	90 °C



Sans halogène
NBN C30-004
ST,SD,SA



Tension de service
nominale Uo/U
(Um)
100 / 170 V



Flexibilité du câble
Rigide



Température
d'utilisation
-20 .. 60 °C



Résistant au feu
NBN 713-020 Add3
Rf 1h30



Non propagateur de
l'incendie
NBN C 30-004-F2



Non propagateur de
la flamme
NBN C30-004-F1



Temp.max. sur
l'âme en service
90 °C

AUTRES CARACTÉRISTIQUES

Certificat d'approbation

ISSeP: Institut Scientifique de Service Publique de l'ULg

Rayon de courbure

$r = 10 \times \text{diamètre extérieur maximal}$