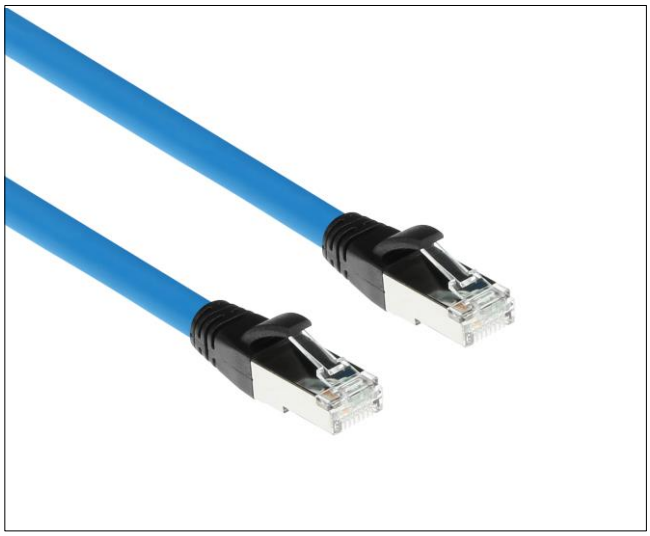
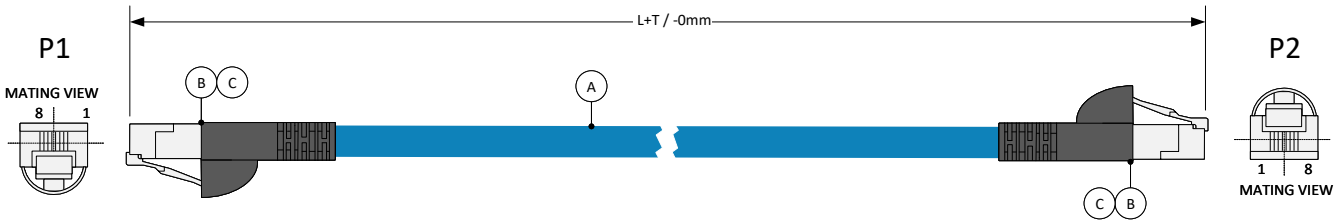
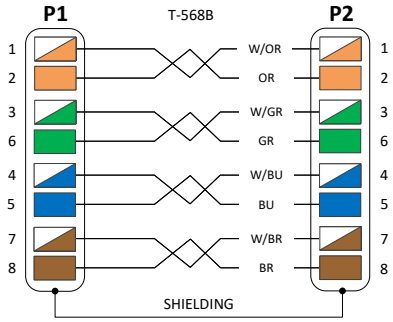
DATASHEET



ACT SAS-SUPERFLEX - CAT6A SF/UTP SHIELDED
RJ45 – RJ45



CONNECTION DIAGRAM



ELECTRICAL TEST:
1: 100% TEST OPEN SHORT MIS-WIRE
2: CONTACT RESISTANCE 3Ω MAX
3: INSULATION RESISTANCE: 5MΩ MIN
4: HI-POT 300V DC/10MS

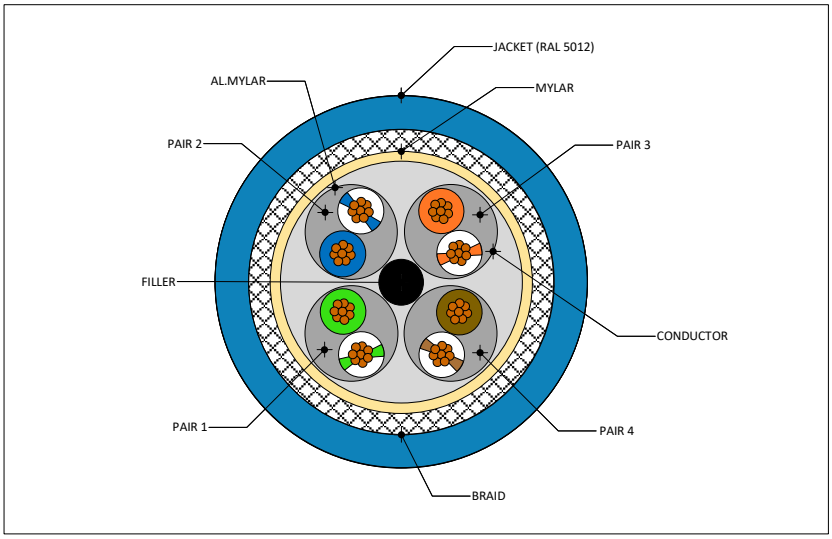
A	CAT6A, UL21104,SF/UTP (1P*26# +AL)*4 + MB, OD=7.0mm, BLUE TPE JACKET
B	RJ45 MALE (METAL SHIELD, PIN GOLD PLATED)
C	45P BLACK PVC

ITEM NO.	LENGTH(mm)	TOLERANCE ±/mm
SC4800	150	20
SC4801	300	20
SC4802	600	30
SC4804	1000	30
SC4805	1500	30
SC4806	2000	30
SC4807	2500	30
SC4808	3000	30
SC4809	3500	30
SC4810	4000	50
SC4811	4500	50
SC4812	5000	50
SC4813	5500	60
SC4814	6000	60

ITEM NO.	LENGTH(mm)	TOLERANCE ±/mm
SC4816	7000	70
SC4817	7500	80
SC4818	8000	80
SC4819	8500	90
SC4820	9000	90
SC4821	9500	100
SC4822	10000	100
SC4823	12500	150
SC4824	15000	150
SC4825	17500	200
SC4826	20000	200
SC4827	25000	200
SC4828	30000	250
SC4829	35000	250

ITEM NO.	LENGTH(mm)	TOLERANCE ±/mm
SC4830	40000	300
SC4831	45000	300
SC4832	50000	400
SC4833	55000	400
SC4834	60000	400

WIRE SPECIFICATIONS



CAT6.A,UL 21104,SF/UTP 26AWG/28*4P+MYLAR+B

CONDUCTOR	AWG	26	
	MATERIAL	BC	
	COND.SIZE (mm)	28/0.08 ± 0.008	
INSULATION	MATERIAL	FM-PE	
	DIAMETER (mm)	1.10 ± 0.08	
	AVG.THICK (mm)	0.2	
	COLOR	(Orange/White-Orange),(Green/White-Green),(Blue/White-Blue),(Brown/White-Brown)	
	TWISTED (mm)	-	
DRAIN WIRE	AWG	-	
	MATERIAL	-	
	COND.SIZE (mm)	-	
	DIAMETER (mm)	-	
FACE OUTSIDE AL.MYLAR	COVERAGE (%)	100%	
	OVERLAP (%)	≥25%	
BRAID	MATERIAL	TC	
	CONSTRUCTION	**16*6/0.10 ± 0.08mm**	
	COVERAGE (%)	**-**	
JACKET	**MATERIAL**	**TPE**	
	COLOR	**BLUE**	RAL: 5012
	(mm) MIN.THICK	0.3	
	(mm) AVG THICK	0.38	
	(mm) DIAMETER	**7.0 ± 0.2**	

BEND RADIUS (FIXED)	5 X OUTER Ø
BEND RADIUS (MOVING)	10 X OUTER Ø
NO. OF BENDING CYCLES (C-TRACK)	MAX. 2 Mio. (25°C)
TORSION STRESS	± 270°/m
NO. OF TORSION CYCLES	MAX. 3 Mio. (25°C)

NOMINAL VOLTAGE	30V
TEST VOLTAGE	500V
TEMPERATURE RANGE FIXED	-5°C > 80°C
TEMPERATURE RANGE MOBILE	-5°C > 40°C
INSULATION VOLTAGE	600V

MARKING	ACT SAS-SUPERFLEX - CAT6A SF/UTP - AWG26/28*4P - E119932-Y AWM21104 80°C - 30V / ISOLATED-600V

CREATION DATE:	9-6-2023
REVISION DATE:	25-10-2023
REVISION:	V1.00
PRINT DATE:	25-10-2023