

part number    cable family

# 27551 TRAY CABLES-ST ER - CIC/TC

**FORMATION:** (3GAWG18)ST

(3G1)ST

**INSTALLATION TYPE:** CABLE FOR STATIC INSTALLATION

**CATEGORY:** MULTI CORE

**STANDARD/APPROVAL:** CE/UL/CSA

**SHIELDING:** SHIELDED

 EMC  
2014/30/UE


## GROUP // 3GAWG18

### CONDUCTOR

MATERIAL	Bare copper
CAPILLARY DIAMETER	- Flexible (DIN VDE 0295, IEC 60228 or CEI 20-29)
CONDUCTORS NUMBER	3
RATED SECTION	AWG18 AWG

### INSULATION

MATERIAL	PVC
COLOUR	Black conductors with numbers 1 and 2 + Green/Yellow.

## TOTAL ASSEMBLY MAKE-UP

### INTERMEDIATE TAPING

ON MAKE-UP	Around the total assembly.
MATERIAL	Polyester tape



## TOTAL SHIELD

ON MAKE-UP	On the tape.
MATERIAL	Tinned copper
SHIELD SHAPE	Braid shield
COVERAGE	>=85 %
DRAIN WIRE	Not available

## TOTAL SHEATH

MATERIAL	PVC
COLOUR	Gray RAL 7001
DIAMETER (MM)	8.9±0.35

## MARKING

METRIC MARKING	P/N 27551 TE.CO. - (UL) E471679 Fxx - TC-ER OIL RESISTANT I DIR BUR 3×18AWG 600V 90°C DRY/75°C WET FT4/IEEE 1202 or MTW or AWM STYLE 21179 90°C 1000V - c(UL) CONTROL CABLE CIC/TC-ER PVC SHIELD FT4 or AWM I/II A/B 90°C 1000V FT1 18AWG TRAY-ST 3G1 H2 SHIELDED CE ROHS month/year meter indication
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## ELECTRICAL FEATURES

WORKING VOLTAGE	1000 V
TEST VOLTAGE	4000 V

## DYNAMIC FEATURES

MINIMUM BENDING RADIUS STATIC INSTALLATION	6 times $\varnothing$ cable
WORKING TEMPERATURE STATIC INSTALLATION	-40°C / +90°C
INSTALLATION TEMPERATURE TEXT	-5°C / +80°C
NOTES	For fixed installation without any mechanical stress.

## APPROVALS AND STANDARDS

REFERENCE STANDARDS	1063, 1277, 1581, 66, UL 758, 83(UL); NFPA 79; NEC 336.10⑦; C22.2 n° 210, C22.2 n° 239(CSA)
UL CSA APPROVALS	RU E244280 AWM STYLE 21179 90°C 1000V UL E471678 Type MTW 90°C 600V UL E471679 Type TC-ER 90°C 600V CSA E244280 AWM I/II A/B 90°C 1000V CSA E471679 CIC/TC -ER 90° 600V
FIRE BEHAVIOUR	1685(UL); UL/CSA VERTICA.FIRE PROP. SMOKE RELEASE TEST FT4/IEEE
INDUSTRIAL OIL RESISTANCE	OIL RES I (UL 1277), WET APPROVAL 75°C(UL); WATER RESISTANT
HALOGEN FREE	NO
UNDERGROUND DIRECT BURIAL	DIR BUR (Direct Burial) acc.to NFPA 70

## CUSTOMS CODE

CUSTOMS-TARIFF NUMBER	85444999
MADE IN	IT

## REVISION

DATE	25112015
NUMBER	003