

NORTHWIRE[®] SPT

SPT-1, SPT-2, SPT-3 Parallel Flat Cordage

Three UL/CSA Types Available

- SPT-1 18-20 AWG insulation wall thickness 0.030" (0.742 mm) nominal
- SPT-2 16-18 AWG insulation wall thickness 0.045" (1.143 mm) nominal
- SPT-3 10-18 AWG insulation wall thickness nominal 0.060" to 0.110" (1.524 – 2.794 mm) depending on conductor size – see spec sheets

Applications

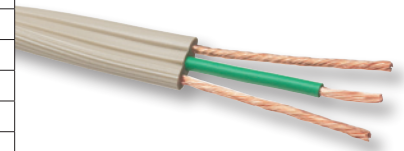
- Portable or pendant usage such as:
 - Portable lamps
 - Lighting
 - Power supplies
 - Battery chargers
 - Molded cord sets for appliances

Custom Options Available

- Alternate stranding; tinned copper stranding
- AWM styles
- Custom colors
- Special put-ups
- And more

SPT-1, SPT-2 Parallel Flat Cordage Specifications

Northwire SPT-1 (16 AWG - 18 AWG)				
Conductor	20 AWG		18 AWG	
Number of Conductors	2	3	2	3
AWG	20		18	
Stranding	41x36		41x34	
Conductor Material	BC (Bare Copper)		BC (Bare Copper)	
Insulation Material	PVC (Polyvinyl Chloride)		PVC (Polyvinyl Chloride)	
Nom. Insulation Wall Thickness	0.030" (0.742 mm)		0.030" (0.742 mm)	
Outer Shield				
Outer Shield Material	Unshielded		Unshielded	
Dimensions				
Thickness x Width	0.105" x 0.205" (2.667 x 5.207 mm)	Consult Factory	0.110" x 0.210" (2.921 x 5.334 mm)	0.115" x 0.305" (2.921 x 7.747 mm)
Operation Temperature Range	60°C and 105°C		60°C and 105°C	
Electrical				
Maximum Operating Voltage - UL	300V RMS		300V RMS	
Dielectric Withstand Voltage	1500V (AC Applied for 1 Minute)		1500V (AC Applied for 1 Minute)	
Maximum Recommended Current	2 Amps		10 Amps	7 Amps
Standards and Agency Compliance				
NEC/(UL) Specification	SPT-1		SPT-1	
CSA Specification	SPT-1		SPT-1	
Plenum/Non-Plenum	Non-Plenum		Non-Plenum	



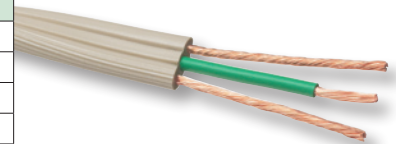
Northwire SPT-2 (18 AWG - 16 AWG)				
Conductor	18 AWG		16 AWG	
Number of Conductors	2	3	2	3
AWG	18		16	
Stranding	41x34		65x34	
Conductor Material	BC (Bare Copper)		BC (Bare Copper)	
Insulation Material	PVC (Polyvinyl Chloride)		PVC (Polyvinyl Chloride)	
Nom. Insulation Wall Thickness	0.045" (1.143 mm)		0.045" (1.143 mm)	
Outer Shield				
Outer Shield Material	Unshielded		Unshielded	
Dimensions				
Thickness x Width	0.141" x 0.264" (3.514 x 6.706 mm)	0.141" x 0.264" (3.514 x 6.706 mm)	0.154" x 0.286" (3.912 x 7.264 mm)	0.152" x 0.373" (3.861 x 9.474 mm)
Operation Temperature Range	60°C and 105°C		60°C and 105°C	
Electrical				
Maximum Operating Voltage - UL	300V RMS		300V RMS	
Dielectric Withstand Voltage	(1500V AC Applied for 1 Minute)		1500V (AC Applied for 1 Minute)	
Maximum Recommended Current	10 Amps		13 Amps	10 Amps
Standards and Agency Compliance				
NEC/(UL) Specifications	SPT-2		SPT-2	
CSA Specifications	SPT-2		SPT-2	
Plenum/Non-Plenum	Non-Plenum		Non-Plenum	

SPT-3 Parallel Flat Cordage Cable Specifications on Next Page

SPT-3 Parallel Flat Cordage Specifications

Northwire SPT-3 (14 AWG - 12 AWG - 10 AWG)						
Conductor	14 AWG		12 AWG		10 AWG	
Number of Conductors	2	3	2	3	2	3
AWG	14		12		10	
Stranding	41x30		65x30		105x30	
Conductor Material	BC (Bare Copper)		BC (Bare Copper)		BC (Bare Copper)	
Insulation Material	PVC (Polyvinyl Chloride)		PVC (Polyvinyl Chloride)		PVC (Polyvinyl Chloride)	
Nom. Insulation Wall Thickness	0.080" (2.032 mm)		0.095" (2.413 mm)		0.110" (2.794 mm)	
Outer Shield						
Outer Shield Material	Unshielded		Unshielded		Unshielded	
Dimensions						
Thickness x Width	0.240" x 0.430" (6.096 x 10.922 mm)	0.238" x 0.520" (6.0452 x 13.208 mm)	0.300" x 0.525" (7.620 x 13.335 mm)	0.292" x 0.624" (7.4168 x 15.849 mm)	0.340" x 0.600" (8.636 x 15.24 mm)	T.B.D. (0.000 x 0.000 mm)
Operation Temperature Range	60°C and 105°C		60°C and 105°C		60°C and 105°C	
Electrical						
Maximum Operating Voltage - UL	300V RMS		300V RMS		300V RMS	
Dielectric Withstand Voltage	1500V (AC Applied for 1 Minute)		1500V (AC Applied for 1 Minute)		1500V (AC Applied for 1 Minute)	
Maximum Recommended Current	10 Amps		13 Amps	10 Amps	13 Amps	10 Amps
Standards and Agency Compliance						
NEC/(UL) Specifications	SPT-2		SPT-2		SPT-2	
CSA Specifications	SPT-2		SPT-2		SPT-2	
Plenum/Non-Plenum	Non-Plenum		Non-Plenum		Non-Plenum	

Northwire SPT-3 (16 AWG - 18 AWG)				
Conductor	18 AWG		16 AWG	
Number of Conductors	2	3	2	3
AWG	20		18	
Stranding	41x34		65x34	
Conductor Material	BC (Bare Copper)		BC (Bare Copper)	
Insulation Material	PVC (Polyvinyl Chloride)		PVC (Polyvinyl Chloride)	
Nom. Insulation Wall Thickness	0.060" (1.524 mm)		0.060" (1.524 mm)	
Outer Shield				
Outer Shield Material	Unshielded		Unshielded	
Dimensions				
Thickness x Width	0.175" x 0.336" (4.445 x 8.534 mm)	0.172" x 0.385" (4.445 x 8.509 mm)	0.170" x 0.345" (4.318 x 8.763 mm)	0.185" x 0.440" (4.699 x 11.176 mm)
Operation Temperature Range	60°C and 105°C		60°C and 105°C	
Electrical				
Maximum Operating Voltage - UL	300V RMS		300V RMS	
Dielectric Withstand Voltage	1500V (AC Applied for 1 Minute)		1500V (AC Applied for 1 Minute)	
Maximum Recommended Current	10 Amps	7 Amps	13 Amps	10 Amps
Standards and Agency Compliance				
NEC/(UL) Specifications	SPT-3		SPT-3	
CSA Specifications	SPT-3		SPT-3	
Plenum/Non-Plenum	Non-Plenum		Non-Plenum	



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