

胜牌电线电缆公司  
TRIUMPH CABLE CO., LTD

规格承认书  
SPECIFICATION FOR APPROVAL

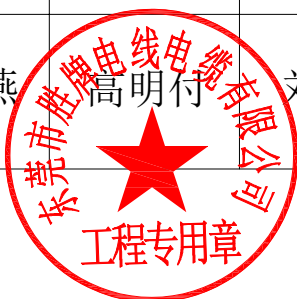
品名/规格: UL2854 20AWG 编织系列 16C  
STYLES&SIZE

客户名称: 客户料号:  
CUSTOMER CUSTOMER P/N

设计卡号: 承认书号:  
ED NO. APPROVAL NO SPDY-2023072212

制定日期: 2023-07-22 版本版次: A/0  
DATE EDITION

| 胜牌签章栏:<br>TRIUMPCABLE APPROVAL COLUMN |     |     |
|---------------------------------------|-----|-----|
| 制定                                    | 审核  | 核准  |
| 刘凯燕                                   | 高明付 | 刘水根 |



| 客户确认栏:<br>CUSTOMER APPROVAL COLUMN |    |
|------------------------------------|----|
| 确认                                 | 核准 |
|                                    |    |

东莞市胜牌电线电缆有限公司 DONG GUAN TRIUMPH CABLE CORPORATION LIMITED

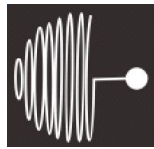
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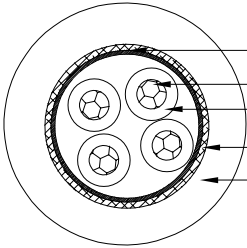
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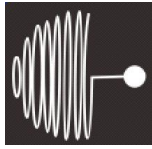
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|                                 |                                                                                                                                                                                    |                            |            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|
| 规格型号<br>SPEC NO.                | UL2854 20AWG 编织系列 16C                                                                                                                                                              |                            |            |
| 额定温度<br>RATED TEMPERATURE       | 80℃                                                                                                                                                                                | 额定电压<br>RATED VOLTAGE      | 30V        |
| 环保标准<br>ENVIRONMENTAL STANDARDS | ROHS                                                                                                                                                                               | 参照标准<br>REFERENCE STANDARD | UL758-2021 |
| CONSTRUCTION<br>FIGURE<br>结构简图  |                                                                                                   |                            |            |
|                                 | AL/MY 铝箔/麦拉<br>CONDUCTOR 导体<br>INSULATION 绝缘<br>BRAID 编织<br>JACKET 外被<br><br>备注:图片仅仅是示意图, 规格尺寸以文字规定为准<br>Note: the picture is just a sketch, size in text provisions shall prevail |                            |            |

TECHNICAL PARAMETERS 技术参数

| AWG<br>线号数                      | Core number<br>芯数 | (NO./mm) (±0.008)<br>线数/线径        | Nom. Thick. (mm)<br>平均厚度        | Core Dia. (mm)<br>芯线外径 | AL/MY<br>铝箔/麦拉 | BRAID<br>编织       | Nom. Thick. (mm)<br>平均厚度                           | JACKET Dia. (mm)<br>成品外径 |
|---------------------------------|-------------------|-----------------------------------|---------------------------------|------------------------|----------------|-------------------|----------------------------------------------------|--------------------------|
| 20                              | 2                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/4/0.09±0.008 | 0.4                                                | 4.4±0.15                 |
| 20                              | 3                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/4/0.09±0.008 | 0.4                                                | 4.9±0.15                 |
| 20                              | 4                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/5/0.09±0.008 | 0.4                                                | 5.3±0.20                 |
| 20                              | 5                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/5/0.09±0.008 | 0.4                                                | 6.5±0.25                 |
| 20                              | 6                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/6/0.09±0.008 | 0.4                                                | 6.8±0.25                 |
| 20                              | 7                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/6/0.09±0.008 | 0.4                                                | 6.8±0.25                 |
| 20                              | 8                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/6/0.09±0.008 | 0.4                                                | 7.2±0.25                 |
| 20                              | 9                 | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/6/0.09±0.008 | 0.4                                                | 7.7±0.25                 |
| 20                              | 10                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 8.5±0.30                 |
| 20                              | 11                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 8.5±0.30                 |
| 20                              | 12                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 8.5±0.30                 |
| 20                              | 13                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 8.9±0.30                 |
| 20                              | 14                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 8.9±0.30                 |
| 20                              | 15                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/7/0.09±0.008 | 0.4                                                | 9.1±0.30                 |
| 20                              | 16                | 21/0.178TS                        | 0.25                            | 1.5±0.10               | 0.025          | TS16/8/0.09±0.008 | 0.4                                                | 9.7±0.30                 |
| CONDUCTOR<br>导 体                |                   | MATERIAL<br>材 质                   | TINNED STRANDED COPPER<br>镀 锡 铜 |                        | AL/MY<br>铝箔/麦拉 | MATERIAL<br>材 质   | ONE SIDE ALUMINUM(AL FACING OUTSIDE)<br>单面铝箔(铝面向外) |                          |
| INSULATION<br>绝 缘               |                   | MATERIAL<br>材 质                   | PVC (RoHS)                      |                        | BRAID<br>编织    | MATERIAL<br>材 质   | TINNED STRANDED COPPER(镀锡铜)                        |                          |
| FILLER<br>填 充                   |                   | MATERIAL<br>材 质                   | NOTHING<br>无                    |                        | JACKET<br>外 被  | MATERIAL<br>材 质   | PVC (RoHS)                                         |                          |
| ELECTRICAL<br>CAPABILITY<br>电 气 |                   | COND. RESISTANCE 导体电阻 (Ω /KM20℃)  |                                 |                        |                |                   | 36.7                                               |                          |
|                                 |                   | INSU. RESISTANCE 绝缘电阻 (MΩ /KM20℃) |                                 |                        |                |                   | 10                                                 |                          |
|                                 |                   | DIELECTRIC TEST 耐压测试(AC V/min)    |                                 |                        |                |                   | 2000                                               |                          |



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| 规格型号<br>SPEC NO.                | UL2854 20AWG 编织系列 16C                                                               |                            |                                   |
| 额定温度<br>RATED TEMPERATURE       | 80℃                                                                                 | 额定电压<br>RATED VOLTAGE      | 30V                               |
| 环保标准<br>ENVIRONMENTAL STANDARDS | ROHS                                                                                | 参照标准<br>REFERENCE STANDARD | UL758-2021                        |
| CORE NUMBER<br>芯数               | INSULATION COLOR<br>绝缘颜色                                                            |                            |                                   |
| 2                               | 红、黑                                                                                 |                            |                                   |
| 3                               | 黄、红、黑                                                                               |                            |                                   |
| 4                               | 白、黄、红、黑                                                                             |                            |                                   |
| 5                               | 白、黄、红、黑、绿                                                                           |                            |                                   |
| 6                               | 白、黄、红、黑、绿、橙                                                                         |                            |                                   |
| 7                               | 白、黄、红、黑、绿、橙、兰                                                                       |                            |                                   |
| 8                               | 白、黄、红、黑、绿、橙、兰、棕                                                                     |                            |                                   |
| 9                               | 白、黄、红、黑、绿、橙、兰、棕、紫                                                                   |                            |                                   |
| 10                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰                                                                 |                            |                                   |
| 11                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰、粉红                                                              |                            |                                   |
| 12                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰、粉红、浅蓝                                                           |                            |                                   |
| 13                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰、粉红、浅蓝、红注白                                                       |                            |                                   |
| 14                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰、粉红、浅蓝、红注白、黑注白                                                   |                            |                                   |
| 15                              | 白、黄、红、黑、绿、橙、兰、棕、紫、灰、粉红、浅蓝、红注白、黑注白、绿注白                                               |                            |                                   |
| PHYSICAL<br>CHARACTERS<br>物性    | AGING TEST老化测试                                                                      |                            | TENSILE STRENGTH(MIN)<br>抗张强度(最小) |
|                                 | INSULATION<br>绝缘                                                                    | UNAGED老化前                  | 10. 3MPa                          |
|                                 | JACKET<br>外被                                                                        | UNAGED老化前                  | 10. 3MPa                          |
| NEW MARKING<br>新印字              | E249743 ㄣ AWM 2854 20AWG 80℃ 30V VW-1<br>C ㄣ AWM I A 20AWG 80℃ 30V FT1 TRIUMPHCABLE |                            |                                   |